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## Product Datasheet

### Levetiracetam, CAS [[102767-28-2]] FBM-10-2040

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| Article Name               | Levetiracetam, CAS [[102767-28-2]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Biozol Catalog Number      | FBM-10-2040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Supplier Catalog Number    | 10-2040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Alternative Catalog Number | FBM-10-2040-10MG,FBM-10-2040-50MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product Description        | Anticonvulsant...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Molecular Weight           | 170.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity                     | 98% by HPLC NMR (conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CAS Number                 | [102767-28-2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formula                    | C29H14N2O2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Notes          | Levetiracetam is a clinically useful non-classical anticonvulsant. <sup>1</sup> It has no effect on voltage-dependent Na <sup>+</sup> channels, GABAergic transmission, or affinity for either GABAergic or glutaminergic receptors. <sup>2,3</sup> Levetiracetam is believed to act via binding to the synaptic vesicle protein SV2A. <sup>4</sup> Levetiracetam reduced intra-neuronal Ca <sup>2+</sup> levels by inhibition of ryanodine and IP3 receptor-dependent Ca <sup>2+</sup> release from the endoplasmic reticulum. <sup>5</sup> It was also observed to lower the pH of neocortical pyramidal cells via weakening of the transmembrane HCO <sub>3</sub> <sup>-</sup> -mediated acid-extrusion. <sup>6</sup> |