

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### KT-5823, CAS [[126643-37-6]] FBM-10-2083

|                            |                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | KT-5823, CAS [[126643-37-6]]                                                                                                                                                                                                                                                                                                                  |
| Biozol Catalog Number      | FBM-10-2083                                                                                                                                                                                                                                                                                                                                   |
| Supplier Catalog Number    | 10-2083                                                                                                                                                                                                                                                                                                                                       |
| Alternative Catalog Number | FBM-10-2083-100UG,FBM-10-2083-500UG                                                                                                                                                                                                                                                                                                           |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                            |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                |
| Product Description        | PKG inhibitor...                                                                                                                                                                                                                                                                                                                              |
| Molecular Weight           | 495.53                                                                                                                                                                                                                                                                                                                                        |
| Purity                     | 98% by TLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                    |
| Form                       | White or off white solid                                                                                                                                                                                                                                                                                                                      |
| CAS Number                 | [126643-37-6]                                                                                                                                                                                                                                                                                                                                 |
| Formula                    | C29H25N3O5                                                                                                                                                                                                                                                                                                                                    |
| Application Notes          | Selective protein kinase G inhibitor ( $K_i = 0.23, 4$ and $>10 \mu\text{M}$ for PKG, PKC and PKA respectively <sup>1</sup> . Arrests human skin fibroblast cell cycle after the G0/G1 boundary <sup>2</sup> . Abolishes the cGMP-induced relaxation in smooth muscle cells ( $\text{IC}_{50}=60 \text{ nM}$ ) <sup>3</sup> . Cell permeable. |