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## Product Datasheet

### Galunisertib, CAS [[700874-72-2]] FBM-10-4110

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| Artikelname              | Galunisertib, CAS [[700874-72-2]]                       |
| Artikelnummer            | FBM-10-4110                                             |
| Hersteller Artikelnummer | 10-4110                                                 |
| Alternativnummer         | FBM-10-4110-5MG,FBM-10-4110-25MG                        |
| Hersteller               | Focus Biomolecules                                      |
| Kategorie                | Biochemikalien                                          |
| Produktbeschreibung      | TGFβ receptor 1 inhibitor / Cancer immunotherapeutic... |
| Molekulargewicht         | 369.43                                                  |
| Reinheit                 | 98%, NMR (Conforms)                                     |
| Formulierung             | White solid                                             |
| CAS Nummer               | [700874-72-2]                                           |
| Formel                   | C22H19N5O                                               |

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| Anwendungsbeschreibung | <p>Galunisertib is a TGF-<math>\beta</math> kinase (ALK5) antagonist.<sup>1</sup> It stimulated hematopoiesis from primary myelodysplastic syndrome bone marrow specimens via downregulation of SMAD2 phosphorylation.<sup>2</sup> It has been in clinical trials for treatment of various cancers.<sup>3-5</sup></p> <p>Galunisertib has more recently been used to enhance the anti-neuroblastoma activity of anti-GD2 antibody Dinutuximab with natural killer cells<sup>6</sup> and preserved the function of in vitro expanded natural killer cells in AML and colon cancer models<sup>7</sup>. Galunisertib reversed TGF and regulatory T cell mediated suppression of human T cell proliferation. In combination with PD-L1 blockade, it resulted in improved tumor growth inhibition and complete regressions in colon carcinoma models.<sup>8</sup></p> |
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