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Product Datasheet

TPCA-1, CAS [[507475-17-4]] FBM-10-5571

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| Article Name | TPCA-1, CAS [[507475-17-4]] |
| Biozol Catalog Number | FBM-10-5571 |
| Supplier Catalog Number | 10-5571 |
| Alternative Catalog Number | FBM-10-5571-5MG, FBM-10-5571-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | Selective inhibitor of IkappaB kinase 2 (IKK2)... |
| Molecular Weight | 229.29 |
| Purity | 98% by TLC NMR (Conforms) |
| Form | Pale yellow solid |
| CAS Number | [507475-17-4] |
| Formula | C12H10FN3O4S |
| Application Notes | Selective inhibitor of IkappaB kinase 2 (IKK2) (IC50 = 17.9 nM). ¹ Inhibits production of pro-inflammatory cytokines in arthritis and other animal models of inflammation. ^{1,2} Also attenuates NLRP3 inflammasome activation in THP-1 myeloid cells, and suppresses IL1beta-induced proliferation, migration, and invasion of HeLa cells. ^{3,4} Continuous exposure to TPCA-1 promotes expansion of hematopoietic stem/progenitor cells (HSPCs) via improved glycolysis and limited ROS production. ⁵ |