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Product Datasheet

eFT508, CAS [[1849590-01-7]] FBM-10-4081

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| Article Name | eFT508, CAS [[1849590-01-7]] |
| Biozol Catalog Number | FBM-10-4081 |
| Supplier Catalog Number | 10-4081 |
| Alternative Catalog Number | FBM-10-4081-5MG, FBM-10-4081-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | Potent MNK1/2 inhibitor... |
| Molecular Weight | 340.39 |
| Purity | 98% by HPLC NMR (Conforms) |
| Form | Pale yellow solid |
| CAS Number | [1849590-01-7] |
| Formula | C17H20N6O2 |

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| Application Notes | <p>eFT508 is a potent (IC50s = 2.4 nM MNK1, 1.0 nM MNK2) and highly selective inhibitor of the mitogen-activated protein kinase interacting kinases 1 and 2 (MNK1/2), key regulators of mRNA translation protein eukaryotic initiation factor eIF4E.¹ It potently inhibits phosphorylation of eIF4E in multiple solid and hematological tumor lines leading to blockade of pro-inflammatory and pro-tumorigenic cytokine production. eFT508 reversed the aggressive and metastatic characteristics of mouse liver cancer via inhibition of PD-L1 upregulation.² Displays inhibitory effects in various cancers models including acute myeloid leukemia³, gastric⁴, and breast⁵. eFT-508 has also shown efficacy in treating neuropathic pain via the MNK-eIF4E pathway.^{6,7,8}</p> |
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