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Product Datasheet

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

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

Application Notes	eFT508 is a potent (IC_{50}s = 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}
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