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Product Datasheet

NH125, CAS [[278603-08-0]] FBM-10-4840

Artikelname	NH125, CAS [[278603-08-0]]
Artikelnummer	FBM-10-4840
Hersteller Artikelnummer	10-4840
Alternativnummer	FBM-10-4840-5MG,FBM-10-4840-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Eukaryotic elongation factor 2 (eEF-2) kinase inhibitor...
Molekulargewicht	524.56
Reinheit	98% by TLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[278603-08-0]
Formel	C27H45IN2

Anwendungsbeschreibung	NH125 was originally discovered as an antibacterial agent active against various Gram-positive and -negative bacteria via inhibition of histidine protein kinase.¹ It was also found to be a potent inhibitor of eukaryotic elongation factor 2 (eEF-2) kinase ($IC_{50} = 60 \text{ nM}$) with efficacy against a broad spectrum of human cancer cell lines.² Other studies have linked the anticancer effects of NH125 to induction of eEF2 phosphorylation.^{3,4} NH125 has also been shown to engage the EIF2α-ATF4-CHOP axis resulting in induction of DR5 expression.⁵ Treatment of glioma stem cells with NH125 resulted in a sustained decrease in tumor volume via activation of integrated stress response (ISR) and GADD45 pathways.⁵
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