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Product Datasheet

NGI-1, CAS [[790702-57-7]] FBM-10-4291

Artikelname	NGI-1, CAS [[790702-57-7]]
Artikelnummer	FBM-10-4291
Hersteller Artikelnummer	10-4291
Alternativnummer	FBM-10-4291-10MG,FBM-10-4291-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Oligosaccharyltransferase (OST) inhibitor...
Molekulargewicht	394.51
Reinheit	98% by TLC NMR (Confirms)
Formulierung	White solid
CAS Nummer	[790702-57-7]
Formel	C17H22N4O3S2

Anwendungsbeschreibung	NGI-1 is a cell-permeable inhibitor of oligosaccharyltransferase (OST) - IC₅₀ = 1.1 μM.¹ It blocks cell-surface localization and signaling of the epidermal growth factor receptor (EGFR) glycoprotein and selectively arrests proliferation only in cells dependent on EGFR for survival. NGI-1 caused G1 arrest and senescence in RTK-dependent NSCLC cells (PC9, HCC827, H3255, H1581). NGI-1 displays antiviral behavior against various flaviviruses (Dengue, West Nile, Yellow fever and Zika).² It also was able to overcome resistance to EGFR tyrosine kinase inhibitors in mutant NSCLC cells³ and enhance radiosensitivity and cytotoxic effects of chemotherapy in glioma cells with high levels of RTK activation⁴.
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