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Product Datasheet

NGI-1, CAS [[790702-57-7]]

FBM-10-4291

Article Name	NGI-1, CAS [[790702-57-7]]
Biozol Catalog Number	FBM-10-4291
Supplier Catalog Number	10-4291
Alternative Catalog Number	FBM-10-4291-10MG, FBM-10-4291-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Oligosaccharyltransferase (OST) inhibitor...
Molecular Weight	394.51
Purity	98% by TLC NMR (Confirms)
Form	White solid
CAS Number	[790702-57-7]
Formula	C17H22N4O3S2

Application Notes

NGI-1 is a cell-permeable inhibitor of oligosaccharyltransferase (OST) - IC₅₀ = 1.1 μ M.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 activation.⁴