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Product Datasheet

7-Cl-O-Nec1, CAS [[852391-15-2]] FBM-10-4544

Artikelname	7-Cl-O-Nec1, CAS [[852391-15-2]]
Artikelnummer	FBM-10-4544
Hersteller Artikelnummer	10-4544
Alternativnummer	FBM-10-4544-5MG,FBM-10-4544-25MG,FBM-10-4544-10MM/1MLDMSO
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Rip1 blocker...
Molekulargewicht	277.71
Reinheit	98% by TLC (5% methanol / methylene chloride, Rf = 0.55), NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[852391-15-2]
Formel	C13H12ClN3O2

Anwendungsbeschreibung	Necrostatin-1 analogue with superior potency ($IC_{50} = 206\text{nM}$ vs 494nM), selectivity and metabolic stability in blocking RIP1.^{1,2} 7-Cl-O-Nec-1 shows no off-target inhibition of indolamine-2,3-deoxygenase (IDO) in contrast to Necrostatin-1 (Nec-1).^{3,4} 7-Cl-O-Nec-1 showed higher activity in inhibiting necroptosis in Jurkat cells than Necrostatin-1 ($EC_{50} = 210\text{ nM}$ vs. $EC_{50} = 490\text{ nM}$), no non-specific cytotoxicity at high concentrations ($100\text{ }\mu\text{M}$) and reasonable pharmacokinetic characteristics when used in mice.² 7-Cl-O-Nec-1 is recommended for cellular and in vivo use over Necrostatin-1.⁵
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