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## Product Datasheet

**7-CI-O-Nec1**

**FBM-10-4544**

Article Name	7-Cl-O-Nec1
Biozol Catalog Number	FBM-10-4544
Supplier Catalog Number	10-4544
Alternative Catalog Number	FBM-10-4544-5MG,FBM-10-4544-25MG,FBM-10-4544-10MM/1MLDMSO
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Rip1 blocker...
Molecular Weight	277.71
Purity	98% by TLC (5% methanol / methylene chloride, Rf = 0.55), NMR (Conforms)
Form	Yellow solid
CAS Number	[852391-15-2]
Formula	C13H12ClN3O2
Application Notes	Necrostatin-1 analogue with superior potency (IC50 = 206nM 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 (EC50 = 210 nM vs. EC50 = 490 nM), no non-specific cytotoxicity at high concentrations (100 µM) 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