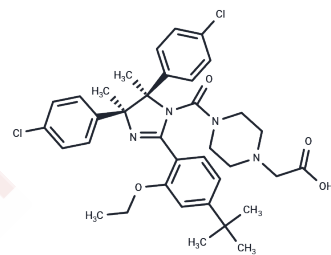


RG7112D

Chemical Properties

CAS No. :	2360561-90-4
Formula:	C ₃₆ H ₄₂ Cl ₂ N ₄ O ₄
Molecular Weight:	665.65
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	RG7112D is a potent MDM2 inhibitor, effectively inhibiting MDM2-p53 and VHL-HIF1 α interactions with IC ₅₀ values of 11 nM and >10000 nM, respectively, as determined by HTRF binding assays. It couples with VHL-Amine via an amide bond to form the bifunctional molecule YX-02-030. YX-02-030 acts as an MDM2-PROTAC, efficiently blocking MDM2-p53 binding (HTRF IC ₅₀ = 63 nM). Additionally, RG7112D stabilizes MDM2 protein and enhances p53 protein levels.
Targets(IC ₅₀)	MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5023 mL	7.5115 mL	15.0229 mL
5 mM	0.3005 mL	1.5023 mL	3.0046 mL
10 mM	0.1502 mL	0.7511 mL	1.5023 mL
50 mM	0.030 mL	0.1502 mL	0.3005 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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