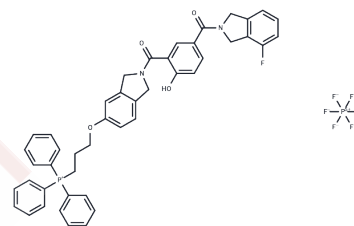


TRAP1-IN-1

Chemical Properties

CAS No. :	3031102-94-7
Formula:	C ₄₅ H ₃₉ F ₇ N ₂ O ₄ P ₂
Molecular Weight:	866.74
Storage:	Keep away from moisture 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	TRAP1-IN-1 (compound 35) is a selective TRAP1 inhibitor that disrupts TRAP1 tetramer stability, induces degradation of TRAP1 downstream proteins, inhibits OXPHOS, and disrupts mitochondrial membrane potential.
Targets(IC50)	HSP,OXPHOS,Mitochondrial Metabolism,Phosphatase

Solubility Information

Solubility	DMSO: 160 mg/mL (184.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1537 mL	5.7687 mL	11.5375 mL
5 mM	0.2307 mL	1.1537 mL	2.3075 mL
10 mM	0.1154 mL	0.5769 mL	1.1537 mL
50 mM	0.0231 mL	0.1154 mL	0.2307 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.

Reference

Merfeld T, et al. Elucidation of novel TRAP1-Selective inhibitors that regulate mitochondrial processes. Eur J Med Chem. 2023 Oct 5;258:115531.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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