

ABCB1-IN-1

Chemical Properties

CAS No. :

Formula: C₃₆H₃₃F₃FeN₂O₄PS

Molecular Weight: 733.54

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	ABCB1-IN-1 (compound 3) is a potent ABCB1 inhibitor that promotes cell apoptosis, featuring 1-benzylimidazole and exhibiting IC ₅₀ values of 1.26 μM for Colo205 cells and 2.21 μM for Colo320 cells, respectively [1].
Targets(IC ₅₀)	Others,P-gp

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3633 mL	6.8163 mL	13.6325 mL
5 mM	0.2727 mL	1.3633 mL	2.7265 mL
10 mM	0.1363 mL	0.6816 mL	1.3633 mL
50 mM	0.0273 mL	0.1363 mL	0.2727 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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