

MZ82

Chemical Properties

CAS No. :

Formula: C₂₆H₂₉N₃O₃

Molecular Weight: 431.53

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	MZ82, a derivative of Ko 143, is a potent inhibitor of ATP-binding cassette sub-family G member 2 (ABCG2/BCRP), with an IC ₅₀ of approximately 23 nM. Compared to Ko 143, MZ82 exhibits significantly enhanced metabolic stability in liver microsomes and shows marked improvement in mice, along with the ability to penetrate the brain.
Targets(IC ₅₀)	BCRP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3173 mL	11.5867 mL	23.1734 mL
5 mM	0.4635 mL	2.3173 mL	4.6347 mL
10 mM	0.2317 mL	1.1587 mL	2.3173 mL
50 mM	0.0463 mL	0.2317 mL	0.4635 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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