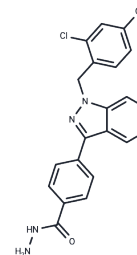


BHD

## Chemical Properties

CAS No. : 2749517-98-2  
 Formula: C<sub>21</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>4</sub>O  
 Molecular Weight: 411.28  
 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	BHD, a reversible male contraceptive agent, effectively induces spermatogenic cell apoptosis and causes abnormalities in seminiferous tubules in vivo at doses of 100 and 500 mg/kg. Additionally, it disrupts the blood-testis barrier and decreases the fertility index in male mice, with effects lasting between two to six weeks post-administration.
Targets(IC50)	Apoptosis,Others

## Solubility Information

Solubility	DMSO: 10 mg/mL (24.31 mM),Sonication is recommended. DMF: 20 mg/mL (48.63 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	2.4314 mL	12.1572 mL	24.3143 mL
5 mM	0.4863 mL	2.4314 mL	4.8629 mL
10 mM	0.2431 mL	1.2157 mL	2.4314 mL
50 mM	0.0486 mL	0.2431 mL	0.4863 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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