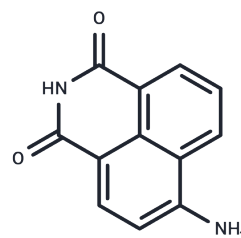


4-amino-1,8-Naphthalimide

Chemical Properties

CAS No. :	1742-95-6
Formula:	C ₁₂ H ₈ N ₂ O ₂
Molecular Weight:	212.2
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	4-amino-1,8-Naphthalimide (4-ANI) is a PARP inhibitor with IC ₅₀ of 180 nM
Targets(IC ₅₀)	PARP

Solubility Information

Solubility	DMSO: 3.6 mg/mL (16.97 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	4.7125 mL	23.5627 mL	47.1254 mL
5 mM	0.9425 mL	4.7125 mL	9.4251 mL
10 mM	0.4713 mL	2.3563 mL	4.7125 mL
50 mM	0.0943 mL	0.4713 mL	0.9425 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

SCHLICKER, A. 4-Amino-1,8-naphthalimide: a novel inhibitor of poly(ADP-ribose) polymerase and radiation sensitizer[J]. International Journal of Radiation Biology, 1999, 75(1):91-100.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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