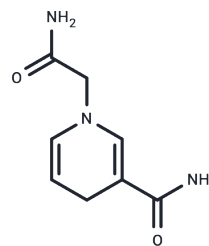


Caricotamide

Chemical Properties

CAS No. :	64881-21-6
Formula:	C ₈ H ₁₁ N ₃ O ₂
Molecular Weight:	181.19
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	Caricotamide is a synthetic co-substrate that activates the human endogenous enzyme NRH:quinone oxidoreductase 2 (NQO2) with potential chemoadjuvant activity. When caricotamide is administered simultaneously with the prodrug tretazicar, NQO2 converts tretazicar to the bifunctional alkylating agent dinitrobenzamide, which is capable of forming a high degree of DNA interstrand cross-links, resulting in the inhibition of DNA replication and the induction of apoptosis. NQO2 has been found to be over-expressed in cancers such as hepatocellular carcinoma (HCC), colorectal and ovarian cancers.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5191 mL	27.5953 mL	55.1907 mL
5 mM	1.1038 mL	5.5191 mL	11.0381 mL
10 mM	0.5519 mL	2.7595 mL	5.5191 mL
50 mM	0.1104 mL	0.5519 mL	1.1038 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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