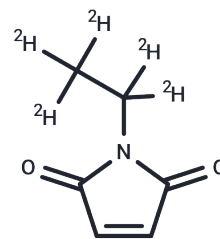


## N-Ethylmaleimide-D5

## Chemical Properties

CAS No. :	360768-37-2
Formula:	C <sub>6</sub> H <sub>7</sub> NO <sub>2</sub>
Molecular Weight:	130.16
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	N-Ethylmaleimide-D5 is the deuterated form of N-Ethylmaleimide (T3088) (NEM). N-Ethylmaleimide (T3088) acts as an alkylating agent for free thiol groups and serves as an inhibitor of cysteine proteinases. It specifically inhibits phosphate transport within mitochondria. Additionally, N-Ethylmaleimide (T3088) functions as an inhibitor of deubiquitinating enzymes (deubiquitinating enzyme).
Targets(IC50)	Cysteine Protease,DUB

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.6829 mL	38.4143 mL	76.8285 mL
5 mM	1.5366 mL	7.6829 mL	15.3657 mL
10 mM	0.7683 mL	3.8414 mL	7.6829 mL
50 mM	0.1537 mL	0.7683 mL	1.5366 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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