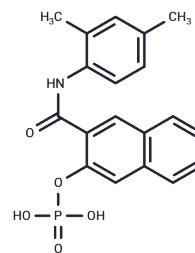


Naphthol AS-MX phosphate

Chemical Properties

CAS No. :	1596-56-1
Formula:	C ₁₉ H ₁₈ NO ₅ P
Molecular Weight:	371.32
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	Naphthol AS-MX phosphate (NASTRp) is a small-molecule inhibitor targeting the CREB (cyclic adenosine monophosphate response element-binding protein)-CBP (CREB-binding protein) transcription factor complex. It exhibits antitumor activity against lung cancer cells by inhibiting tumor cell proliferation (IC ₅₀ =3.701 μmol/L), colony formation, and anchorage-independent growth in soft agar. This compound is valuable for studying KRAS-mutant lung cancer, particularly in cases of chemotherapy resistance and poor prognosis.
Targets(IC ₅₀)	Epigenetic Reader Domain

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6931 mL	13.4655 mL	26.9309 mL
5 mM	0.5386 mL	2.6931 mL	5.3862 mL
10 mM	0.2693 mL	1.3465 mL	2.6931 mL
50 mM	0.0539 mL	0.2693 mL	0.5386 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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