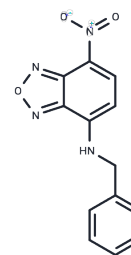


BBD

Chemical Properties

CAS No. :	18378-20-6
Formula:	C13H10N4O3
Molecular Weight:	270.24
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	BBD (NSC-240867) (Benzylamino-NBD) is a biochemical and chromogenic reagent.
Targets(IC50)	Others
Cell Research	<p>Instructions</p> <ol style="list-style-type: none"> Color reaction preparation: Dissolve BBD (NSC240867) in an appropriate solvent or buffer (such as PBS or DMSO) to prepare a colorimetric solution of the desired concentration, typically in the range of 10 μM - 1 mM. Experimental setup: <ol style="list-style-type: none"> Prepare the sample or biological mixture (e.g., enzyme solution, cell culture supernatant, or other biological specimen). Add the BBD solution to the sample, ensuring that it is mixed evenly. Incubation and observation: <ol style="list-style-type: none"> Incubate the mixture for a set time, which may vary depending on the reaction kinetics (usually 15 minutes to 1 hour). Observe the color change, which will indicate the presence and concentration of the target analyte or enzyme activity. For quantitative measurements, use a spectrophotometer to detect absorbance at the appropriate wavelength, typically in the visible spectrum. Data interpretation: The extent of the color change can be directly related to the concentration of the analyte or enzyme activity in the sample. Convert absorbance readings to quantitative results using a standard curve or calibration data. <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p>

Solubility Information

Solubility	DMSO: 30 mg/mL (111.01 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	3.7004 mL	18.5021 mL	37.0041 mL
5 mM	0.7401 mL	3.7004 mL	7.4008 mL
10 mM	0.370 mL	1.8502 mL	3.7004 mL
50 mM	0.074 mL	0.370 mL	0.7401 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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