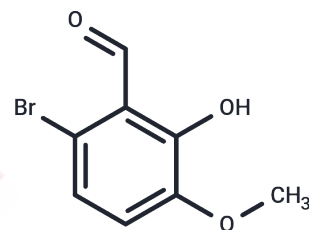


6-Bromo-2-hydroxy-3-methoxybenzaldehyde

Chemical Properties

CAS No. :	20035-41-0
Formula:	C ₈ H ₇ BrO ₃
Molecular Weight:	231.04
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	6-Bromo-2-hydroxy-3-methoxybenzaldehyde (NSC-95682) is an inhibitor of IRE-1 α with an IC ₅₀ value of 0.08 μ M.
Targets(IC ₅₀)	IRE1

Solubility Information

Solubility	DMSO: 50 mg/mL (216.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.66 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3283 mL	21.6413 mL	43.2825 mL
5 mM	0.8657 mL	4.3283 mL	8.6565 mL
10 mM	0.4328 mL	2.1641 mL	4.3283 mL
50 mM	0.0866 mL	0.4328 mL	0.8657 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

Lasák P, Motyka K, Kryštof V. et al. Synthesis, Bacteriostatic and Anticancer Activity of Novel Phenanthridines Structurally Similar to Benzo[c]phenanthridine Alkaloids[J]. Molecules. 2018 Aug 27;23(9).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481