

3-bromopyrrole-2,5-dione

Chemical Properties

CAS No. :	98026-79-0
Formula:	C ₄ H ₂ BrNO ₂
Molecular Weight:	175.968
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	3-bromopyrrole-2,5-dione (ZINC13379821) is a marine derived natural products found in marine sponge Axinella brevistyla.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	DMSO: 262.50 mg/mL (1491.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10.00 mg/mL (56.83 mM),Solution. <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	5.6828 mL	28.4139 mL	56.8279 mL
5 mM	1.1366 mL	5.6828 mL	11.3656 mL
10 mM	0.5683 mL	2.8414 mL	5.6828 mL
50 mM	0.1137 mL	0.5683 mL	1.1366 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

Tsukamoto S, et al. Four new bioactive pyrrole-derived alkaloids from the marine sponge *Axinella brevistyla*. *J Nat Prod*. 2001 Dec;64(12):1576-8.

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