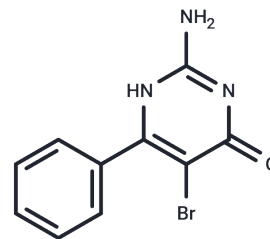


Bropirimine

Chemical Properties

CAS No. :	56741-95-8
Formula:	C ₁₀ H ₈ BrN ₃ O
Molecular Weight:	266.09
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	Bropirimine (U-54461) (U-54461) is a biological response modifier that is thought to act through the induction of lymphokines.
Targets(IC50)	TLR
In vivo	U-54461. Bropirimine (U-54461) is a biological response modifier that is thought to act through the induction of lymphokines. It was originally developed as a potential anticancer agent to be used after tumor debulking through surgery.

Solubility Information

Solubility	DMSO: 30 mg/mL (112.74 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 (7.52 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	3.7581 mL	18.7906 mL	37.5813 mL
5 mM	0.7516 mL	3.7581 mL	7.5163 mL
10 mM	0.3758 mL	1.8791 mL	3.7581 mL
50 mM	0.0752 mL	0.3758 mL	0.7516 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

Aaron C S . Risk and benefit evaluation in development of pharmaceutical products.[J]. Environmental Health Perspectives, 1993, 101 Suppl 3(Suppl 3):291.

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