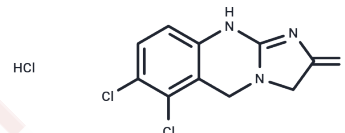


Anagrelide hydrochloride

Chemical Properties

CAS No. :	58579-51-4
Formula:	C ₁₀ H ₇ Cl ₂ N ₃ O·HCl
Molecular Weight:	292.55
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	Anagrelide hydrochloride (BL4162A) serves as a treatment for essential thrombocytosis.
Targets(IC50)	Apoptosis,PDE
In vitro	Anagrelide is an oral imidazoquinazoline agent with an anti-cyclic AMP phosphodiesterase activity and inhibits platelet aggregation in both humans and animals. Anagrelide works by inhibiting the maturation of platelets from megakaryocytes.

Solubility Information

Solubility	DMSO: 2.97 mg/mL (10.15 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	3.4182 mL	17.0911 mL	34.1822 mL
5 mM	0.6836 mL	3.4182 mL	6.8364 mL
10 mM	0.3418 mL	1.7091 mL	3.4182 mL
50 mM	0.0684 mL	0.3418 mL	0.6836 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

Tefferi A, et al. Semin Thromb Hemost, 1997, 23(4), 379-383.
Silverstein MN, et al. N Engl J Med, 1988, 318(20), 1292-1294.

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