

5-Methoxycanthin-6-one

Chemical Properties

CAS No. :	15071-56-4
Formula:	C ₁₅ H ₁₀ N ₂ O ₂
Molecular Weight:	250.25
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	5-Methoxycanthin-6-one displays moderate cytotoxic activity against the human prostate cancer cell PC-3 line, with IC ₅₀ values ranging from 13.5-15.4 uM versus doxorubicine with IC ₅₀ = 1.5 uM. It also exhibits a clear suppressive effect on the phagocytosis response upon activation with serum-opsonized zymosan in the range of IC ₅₀ = 0.9-2.0 uM versus ibuprofen with IC ₅₀ = 12.1 uM.
Targets(IC ₅₀)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.996 mL	19.980 mL	39.960 mL
5 mM	0.7992 mL	3.996 mL	7.992 mL
10 mM	0.3996 mL	1.998 mL	3.996 mL
50 mM	0.0799 mL	0.3996 mL	0.7992 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.

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