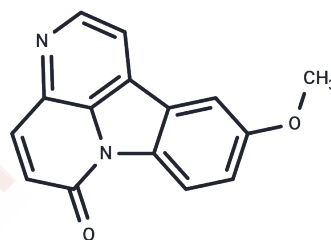


10-Methoxy-canthin-6-one

Chemical Properties

CAS No. :	86293-40-5
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	10-Methoxy-canthin-6-one (Mtx-C) acts as a DNA damage inducer that embeds into DNA, promoting cell cycle arrest at the G2/M phase. This process triggers myeloid differentiation in acute myeloid leukemia cells (AML) and leukemia stem cells (LSC). Differentiation in AML and LSC cells is characterized by increased expression of myeloperoxidase, CD15, CD11b, and CD14, along with the activation of p38 MAPK. 10-Methoxy-canthin-6-one is utilized in the study of leukemia.
Targets(IC50)	p38 MAPK

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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