

Aspergillusidone F

Chemical Properties

CAS No. :	1558007-47-8
Formula:	C ₁₉ H ₁₆ Br ₂ O ₅
Molecular Weight:	484.14
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Aspergillusidone F (Compound 3) is a brominated oxophenolic acid, serving as a regioisomer of Aspergillusidone D. It acts as an aromatase inhibitor with an IC ₅₀ of 0.5 μM. This compound can be isolated from the fungus <i>Aspergillus unguis</i> cultured on KBr medium and exhibits potent cytotoxicity against cancer cells, such as MOLT-3. Aspergillusidone F is utilized in cancer research, particularly for conditions like breast cancer.
Targets(IC ₅₀)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0655 mL	10.3276 mL	20.6552 mL
5 mM	0.4131 mL	2.0655 mL	4.131 mL
10 mM	0.2066 mL	1.0328 mL	2.0655 mL
50 mM	0.0413 mL	0.2066 mL	0.4131 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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