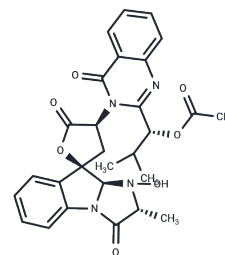


Tryptoquivaline D

Chemical Properties

CAS No. :	60676-56-4
Formula:	C ₂₈ H ₂₈ N ₄ O ₇
Molecular Weight:	532.553
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	Tryptoquivaline D is a fungal metabolite found in [<i>Neosartorya siamensis</i>] with noted anticancer activity. It induces nuclear chromatin condensation, a marker of apoptosis, in HCT116 colon and HepG2 liver cancer cells at a concentration of 150 μ M. Tryptoquivaline D (1-100 μ M), alone or with doxorubicin, reduces the viability of A549 lung cancer cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8778 mL	9.3888 mL	18.7776 mL
5 mM	0.3756 mL	1.8778 mL	3.7555 mL
10 mM	0.1878 mL	0.9389 mL	1.8778 mL
50 mM	0.0376 mL	0.1878 mL	0.3756 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

- Prata-Sena, M., Ramos, A.A., Buttachon, S., et al. Cytotoxic activity of secondary metabolites from marine-derived fungus *Neosartorya siamensis* in human cancer cells *Phytother. Res.* 30(11)1862-1871(2016)
- Ramos, A.A., Castro-Carvalho, B., Prata-Sena, M., et al. Can marine-derived fungus *Neosartorya siamensis* KUFA 0017 extract and its secondary metabolites enhance antitumor activity of doxorubicin? An in vitro survey unveils interactions against lung cancer cells *Environ. Toxicol.* 35(4)507-517(2020)

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