

Ivangustin

Chemical Properties

CAS No. : 14164-59-1

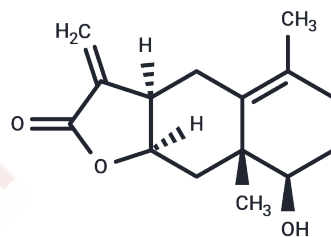
Formula: C₁₅H₂₀O₃

Molecular Weight: 248.32

Storage: Keep away from direct sunlight, Keep away from moisture, Store at low temperature

Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ivangustin, a sesquiterpene lactone derived from the medicinal plant <i>Inula britannica</i> , exhibits significant cytotoxicity against HEP2, SGC-7901 and HCT116 human cancer cell lines.
Targets(IC50)	PARP
In vitro	In a Sulforhodamine B (SRB) colorimetric assay, Ivangustin exhibits cytotoxicity against HeLa, PC-3, Hep-2, HepG2, CHO, and HUVEC cells with IC50 values of 3.2 μM, 4.5 μM, 3.3 μM, 5.2 μM, 6.4 μM, and 9.2 μM, respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0271 mL	20.1353 mL	40.2706 mL
5 mM	0.8054 mL	4.0271 mL	8.0541 mL
10 mM	0.4027 mL	2.0135 mL	4.0271 mL
50 mM	0.0805 mL	0.4027 mL	0.8054 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

Jiang-Jiang Tang, et al. Diversity Modification and Structure-Activity Relationships of Two Natural Products 1β-hydroxy Alantolactone and Ivangustin as Potent Cytotoxic Agents. *Sci Rep.* 2018 Jan 29;8(1):1722.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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