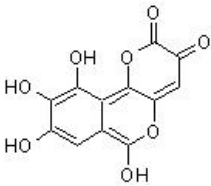


Product datasheet

Galloflavin, Lactic acid dehydrogenase (LDH) inhibitor
ab141776

Overview

Product name	Galloflavin, Lactic acid dehydrogenase (LDH) inhibitor
Description	Novel, non-competitive lactic acid dehydrogenase (LDH) inhibitor
Biological description	Novel, non-competitive lactic acid dehydrogenase (LDH) inhibitor (K_i values are 5.46 and 15.06 μM for LDH-A and LDH-B respectively). Non-competitive inhibition of pyruvate and NADH. Inhibits cell metabolism and induces cell death. Blocks RNA synthesis <i>in vitro</i> .
Purity	> 95%
CAS Number	568-80-9
Chemical structure	

Properties

Chemical name	6,8,9,10-Tetrahydropyrano[3,2-c][2]benzopyran-2,3-dione
Molecular weight	278.17
Molecular formula	$\text{C}_{12}\text{H}_6\text{O}_8$
PubChem identifier	54683147
Storage instructions	Store at -20°C . It is important to note that this is air sensitive and impurities can occur as a result of air oxidation. It is important to note that this product is reported to be light sensitive. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 10 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C . Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILESC1=C2C(=C(C(=C1O)O)O)C3=C(C=C(C(=O)O3)O)OC2=O**Source**

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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