Hypothemycin, MEK inhibitor ab144277

Overview

Product name: Hypothemycin, MEK inhibitor

Description: Potent, selective MEK inhibitor. Antiproliferative agent.

Biological description: Potent, selective MEK inhibitor. Antiproliferative agent. Reduces expression of Ras-inducible genes (MMP-1, MMP-9, TGF-β and VEGF). Inhibits growth of cancer cell lines (IC<sub>50</sub> values are 78 and 900 μM for HT29 and HCT116 respectively). Shows antifungal effects in vivo.

Purity: > 98%

CAS Number: 76958-67-3

Chemical structure:

Properties

Molecular weight: 378.37

Molecular formula: C<sub>19</sub>H<sub>22</sub>O<sub>8</sub>

PubChem identifier: 5458809

Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO to 25 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.

SMILES: CC1C=C\{\{=O\}C@\#2\}C@H\{O2\}C\{C@\#2\}[\{C@\#2\}C3=CC\{=C\{C3C(=O1)O\}OC\}O]O

Source: Phoma sp.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS”
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