Okadaic acid, PP1 and PP2A inhibitor ab120375

8 References

Overview

Product name: Okadaic acid, PP1 and PP2A inhibitor
Description: PP1 and PP2A inhibitor
Biological description: Potent inhibitor of protein phosphatase 1 ($IC_{50} = 3 - 15 \text{ nM}$) and protein phosphatase 2A ($IC_{50} = 0.1-1 \text{ nM}$). Highly selective over PP2B, PP2C and a range of other phosphatases. Tumor promotor.
CAS Number: 78111-17-8
Chemical structure:

![Chemical structure](image)

Properties

Chemical name: 9,10-Deepithio-9,10-didehydroacanthifolicin
Molecular weight: 805.01
Molecular formula: $C_{44}H_{68}O_{13}$
PubChem identifier: 446512
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 100 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.
Toxic, refer to SDS for further information.
SMILES
C[C@@H]2CC[C@@H]1(CCCCO1)O[C@@H][2][C@@H]1(C[C@@H]1(CCCCO1)O[C@@H]2[C@@H](C)C[C@H](O)C[C@H])6O[C@@H]7CC[C@@H]3(CC[C@@H]1(O3)C=C/[C@@H]1(C)[C@@H]5CC(C)=C[C@@H]4(O[C@@H](CC[C@H]4O)C[C@@H](C)(O)C(=O)O)5)O[C@H]7[C@H](O)C6=C

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

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