Okadaic acid ab120375

8 References

Overview

Product name Okadaic acid
Description PP1 and PP2A inhibitor
Biological description Potent inhibitor of protein phosphatase 1 (IC$_{50}$ = 3 - 15 nM) and protein phosphatase 2A (IC$_{50}$ = 0.1-1 nM). Highly selective over PP2B, PP2C and a range of other phosphatases. Tumor promotor.

Properties

Chemical name 9,10-Deepithio-9,10-didehydroacanthifolicin
Molecular weight 805.01
Chemical structure

Molecular formula C$_{44}$H$_{68}$O$_{13}$
CAS Number 78111-17-8
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.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES C[C@@H]2CC[C@@]1(CCCCO1)O[C@@H]2[C@@H](C)C[C@H](O)
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