

Product datasheet

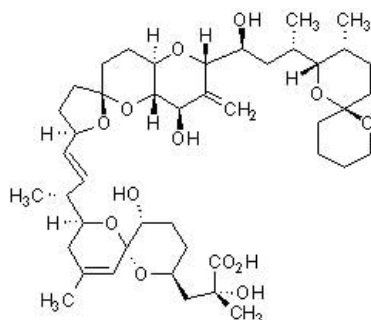
Okadaic acid, PP1 and PP2A inhibitor ab120375

★★★★★ 1 Abreviews 14 References 1 Image

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 nM) and protein phosphatase 2A (IC ₅₀ = 0.1-1 nM). Highly selective over PP2B, PP2C and a range of other phosphatases. Tumor promotor.
CAS Number	78111-17-8

Chemical structure



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

This product is supplied in one (or more) pack size which is freeze dried. Therefore the contents may not be readily visible, as they can coat the bottom or walls of the vial. Please see our [FAQs](#) and [information page](#) for more details on 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.

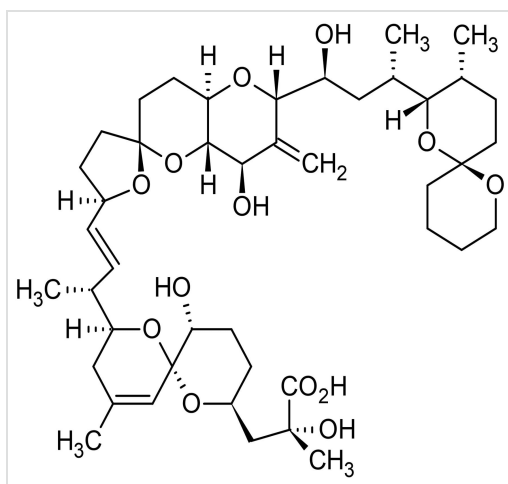
Toxic, refer to SDS for further information.

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)
[C@H]6O[C@@H]7CC[C@@]3(CC[C@@H](O3)C=C/[C@@H](C)
[C@@H]5CC(C)=C[C@@]4(O[C@@H](CC[C@H]4O)C[C@@](C)
(O)C(=O)O)O5)O[C@H]7[C@H](O)C6=C
```

Images



2D chemical structure image of ab120375, Okadaic acid, PP1 and PP2A inhibitor

Chemical Structure - Okadaic acid, PP1 and PP2A inhibitor (ab120375)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors

- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team