

Product datasheet

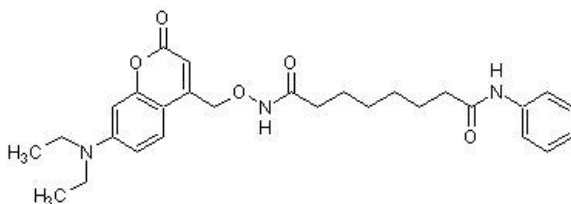
Ac-SAHA, Derivative of SAHA ab146923

Overview

|                               |  |
|-------------------------------|--|
| <b>Product name</b>           | Ac-SAHA, Derivative of SAHA  |
| <b>Description</b>            | Derivative of SAHA; Caged HDAC inhibitor.  |
| <b>Biological description</b> | (7-diethylaminocoumarin-4-yl)methyl ester derivative of SAHA (suberoylanilide hydroxamic acid), a potent non-selective histone deacetylase (HDAC) inhibitor. Caged HDAC inhibitor, which releases SAHA upon cleavage of the photolabile (7-diethylaminocoumarin-4-yl)methyl protecting group in response to photoirradiation. Shows essentially no HDAC-inhibitory activity prior to photoirradiation. |

**Purity** > 98%

**Chemical structure**



Properties

|                             |  |
|-----------------------------|--|
| <b>Chemical name</b>        | <i>N</i> -[[7-(Diethylamino)-2-oxo-2 <i>H</i> -chromen-4-yl]methoxy]- <i>N'</i> -phenyloctanediamide   |
| <b>Molecular weight</b>     | 493.60   |
| <b>Molecular formula</b>    | C <sub>28</sub> H <sub>35</sub> N <sub>3</sub> O <sub>5</sub>  |
| <b>Storage instructions</b> | Store at +4°C. Store In the Dark.  |
| <b>Solubility overview</b>  | Soluble in DMSO to 100 mM  |
| <b>Handling</b>             | 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.<br><br>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details. |
| <b>SMILES</b>               | CCN(CC)c1ccc3c(c1)OC(=O)C=C3CONC(=O)CCCCCCC(=O)Nc2ccccc2   |
| <b>Source</b>               | Synthetic  |

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

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