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Datasheet for ABIN7233286

## Santacruzamate A

### 1 Image

#### Overview

Quantity: 5 mg

Application: Inhibition (Inh)

#### Product Details

Purpose: Ultrapotent HDAC2 inhibitor

Characteristics: A highly potent and selective inhibitor of HDAC2 isolated from the Panamanian marine cyanobacterium cf. *Symploca* (IC<sub>50</sub>=0.119 and 434 nM for HDAC2 and HDAC6 respectively). Induces apoptosis and cancer cell death only in combination with other HDAC1 inhibitors. Potential therapeutic agent for breast cancer. Attenuates A $\beta$  fragment (A $\beta$ 25-35)-induced toxicity in PC12 cells by enhancing ER stress tolerance. Ameliorates Alzheimer's disease-like pathology in mouse models.

Purity: >98 %

Chemical Name: N-[4-Oxo-4-[(2-phenylethyl)amino]butyl]-carbamic acid, ethyl ester

Formula: C<sub>15</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml)

#### Target Details

Background: Epigenetics, Posttranslational modification, Protein deacetylase, Neuroscience, Cell death, Cellular stress, Cancer, Neurodegeneration, Apoptosis inducer, Chromatin

Molecular Weight: 278.35

CAS-No: 1477949-42-0

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Powder

Precaution of Use: GHS – Classification  
Not a hazardous substance

Storage: -20 °C

## Images

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### Molecule

Image 1. /

