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Datasheet for ABIN7233270

## MS-275

### 1 Image

#### Overview

Quantity: 5 mg

Application: Inhibition (Inh)

#### Product Details

Purpose: HDAC inhibitor

Characteristics: Potent HDAC inhibitor. Selective for HDAC1 (IC<sub>50</sub> = 300 nM) over HDAC3 (IC<sub>50</sub> = 8 μM) and HDAC8 (IC<sub>50</sub> > 100 μM). In vivo, MS-275 has been shown to inhibit tumor growth via induction of the tumor suppressors p21WAF1/CIP1 and gelsolin and to block cell proliferation in a variety of cancer cell lines. The compound has also shown significant anti-rheumatic activity in rat and mouse arthritis models.

Purity: >98 %

Formula: C<sub>21</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub>

Solubility: Soluble in DMSO (up to 25 mg/ml).

#### Target Details

Background: Entinostat, Epigenetics, Proliferation, Protein deacetylase, Inflammation, Cancer, Posttranslational modification, Chromatin

Molecular Weight: 376.42

CAS-No: 209783-80-2

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Powder

Storage: -20 °C

## Images

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### Molecule

Image 1. /

