

## Chidamide

Cat. No. CEI-0504

Lot. No. (See product label)

### Introduction

**Description** Cell-permeable. A new benzamide class of histone deacetylase (HDAC) inhibitor with marked anti-tumor activity. It increases histone H3 acetylation levels in LoVo and HT29 colon cancer cells at concentrations as low as 4  $\mu$ M. Additionally, chidamide affects the activation of oncogenic signaling kinases by dose-dependently reducing phosphorylated Akt, mTOR, p70S6k, Raf, and Erk1/2 protein expression in colon cancer cells.

### Product Information

**Appearance** White solid

**CAS No.** 743420-02-2

**Molecular Formula** C<sub>22</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>2</sub>

**Chemical Name** N-(2-amino-5-fluorophenyl)-4-[[[1-oxo-3-(3-pyridinyl)-2-propen-1-yl]amino]methyl]-benzamide

**Molecular Weight** 382.45

**Purity** >95% by HPLC

**Targets** HDAC

**Solubility** DMSO (200 mM)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack