

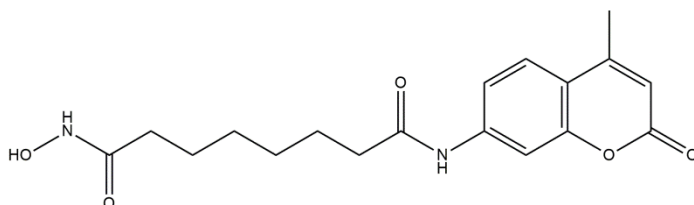
# Coumarin-SAHA

5/19

**ALTERNATE NAMES:** Coumarin-suberoylanilide hydroxamic acid, N1-Hydroxy-N8-(4-methyl-2-oxo-2H-chromen-7-yl)octanediamide

**CATALOG #:** B2805-1 1 mg  
B2805-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 346.38

**CAS NUMBER:** 1260635-77-5

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98%

**SOLUBILITY:** ~5 mg/ml in DMSO and DMF

**DESCRIPTION:** Suberoylanilide hydroxamic acid (SAHA) is a class I and class II histone deacetylase (HDAC) inhibitor. It is a fluorescent probe that competitively binds HDAC. It is a SAHA derivative where the anilino "cap" group is replaced by 7-amino-4-methylcoumarin. The fluorescence excitation and emission maxima of free c-SAHA is 325 and 400 nm, respectively. Fluorescence is quenched by 50% when bound to HDAC8.

**STORAGE TEMPERATURE:** -20°C

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

EZSolution™ Trichostatin A (Cat. No. 2271)  
 FK228 (Cat. No. 2447)  
 4-Iodo-SAHA (Cat. No. B2800)  
 SAHA (Cat. No. 1604)  
 Splitomicin (Cat. No. 1610)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*