

## SB 939

Cat. No. CEI-0507

Lot. No. (See product label)

### Introduction

**Description** An orally available pan-histone deacetylase (HDAC) inhibitor binding all HDAC isozymes with similar affinity ( $K_{is}$  = 16-28 nM) with the exception of HDAC6 and 7 ( $K_{is}$  = 247 and 104 nM, respectively). SB 939 demonstrates good bioavailability in vivo and significantly inhibits tumor growth in various xenograft mouse models at doses ranging from 25-100 mg/kg.

**Synonyms** Pracinostat

### Product Information

**Appearance** Pale yellow solid

**CAS No.** 929016-96-6

**Molecular Formula** C<sub>20</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>

**Chemical Name** 3-[2-butyl-1-[2-(diethylamino)ethyl]-1H-benzimidazol-5-yl]-N-hydroxy-2E-propenamide

**Molecular Weight** 376.86

**Purity** >98% by HPLC

**Targets** HDAC

**Solubility** DMSO (~ 50 mM)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack