

## CI-994

Cat. No. CEI-0981

Lot. No. (See product label)

### Introduction

#### Description

CI-994 is a histone deacetylase (HDAC) inhibitor that induces histone hyperacetylation. CI-994 inhibited HDAC-1 and HDAC-2 but not GCN5. CI-994 is also a novel antitumor agent, exhibiting activity against pancreatic, colon and mammary tumors. CI-994 inhibited the growth of two non-small cell lung cancer cell lines, A-549 (adenocarcinoma) and LX-1 (squamous cell carcinoma), with an IC50 of 80  $\mu$ M.

#### Synonyms

Acetyldinaline, Gö 5549, PD 123654, Tacedinaline

### Product Information

#### Appearance

White to off-white powder

#### CAS No.

112522-64-2

#### Molecular Formula

C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>

#### Molecular Weight

269.3 Da

#### Purity

>99%

#### Targets

HDAC-1, HDAC-2

#### IC50

80  $\mu$ M

#### Solubility

Soluble in DMSO at 66 mg/ml; very poorly soluble in ethanol; very poorly soluble in water; maximum solubility in plain water is estimated to be about 25-100  $\mu$ M; buffers, serum, or other additives may increase or decrease the aqueous solubility.

### Storage and Shipping Information

#### Stability

Store at or below -20°C. Solid form is stable at least 12 months from date of receipt, when stored as directed. Do not store aqueous solutions for more than one day.