Creative Enzymes®

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 μM.
Synonyms	Acetyldinaline, Gö 5549, PD 123654, Tacedinaline

Product Information

Appearance	White to off-white powder
CAS No.	112522-64-2
Molecular Formula	C15H15N3O2
Molecular Weight	269.3 Da
Purity	>99%
Targets	HDAC-1, HDAC-2
IC50	80 μM
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 μM; 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.