Creative Enzymes®

Panobinostat (LBH589)

Cat. No. CEI-0499

Lot. No. (See product label)

Introduction

Description	(LBH589) is a highly potent inhibitor of both histone deacetylase 1 (HDAC1) activity and tumour cell proliferation in vitro. The IC_{50} values of HDAC isozymes HDAC1-IP Ac-H4, HDAC8, MALunselective, B61HDAC1 and B12HDAC6 are 0.23±0.06, 283±29, 75±4, 47±5 and 89±12 nM, respectively. And to A2780 proliferation, IC_{50} value is 4.6±1.8 nM.
Synonyms	LBH589, LBN-589, NVP-LBH590

Product Information

Appearance	White solid
CAS No.	404950-80-7
Molecular Formula	$C_{21}H_{23}N_3O_2$
Molecular Weight	371.27
Purity	>98% by HPLC
Targets	HDAC
Solubility	DMSO (~100 mM) or EtOH (~ 100 mM)

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack