

BG45, HDAC3 selective inhibitor

Catalog	Unit
TBI5638-5MG	5 mg
TBI5638-25MG	25 mg

Product Details

Formal Name: N-(2-Aminophenyl)-2-pyrazinecarboxamide

Molecular Formula: C₁₁H₁₀N₄O

Formula Weight: 214.20

CAS Number: 926259-99-6

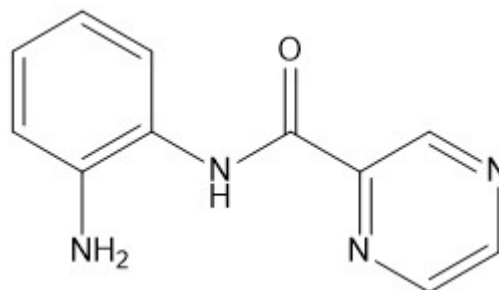
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (45 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

HDAC3 selective inhibitor

Functions

A potent and selective HDAC3 inhibitor (IC₅₀ = 289 nM), IC₅₀s for HDAC1, 2 and 6 = 2, 2.2 and >20 μM respectively. Inhibits tumor growth in a mouse xenograft model of human multiple myeloma. Downregulates expression of DNA methyltransferase 1. Increases expression of synaptic proteins in exogenous Aβ-treated cells and mice. Rescues synaptic damage and neuron loss in APP-transfected cells (15 μM) and APP/PS1 mice (30 mg/kg).

Application Procedures

First dissolved in DMSO (45 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.