

Catalog	Unit
TBI3306-5MG	5 mg
TBI3306-25MG	25 mg

Product Details

Formal Name: N-(2-Aminophenyl)-4-[(4-pyridin-3-ylpyrimidin-2-ylamino)methyl]benzamide

Alternate Names: MGCD0103

Molecular Formula: C₂₃H₂₀N₆O

Formula Weight: 396.44

CAS Number: 726169-73-9

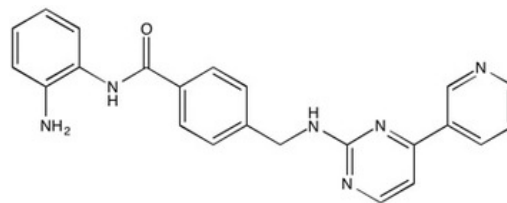
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: RT

Stability: ≥ 1 year.



Applications

Class I HDAC inhibitor

Functions

Class I, isoform-selective HDAC inhibitor, IC₅₀s=0.15, 0.29, 1.66 and 0.59 μM for HDAC1, 2, 3 and 11 respectively. Induces hyperacetylation of histones, induces expression of the tumor suppressor p21WAF1 and inhibits proliferation of human cancer cells. Displays antifibrotic effects in ischemic heart failure. Attenuates the development of hypersensitivity in models of neuropathic pain. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 25 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.