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## BG45

产品编号: D50924

CAS: 926259-99-6

分子式: C<sub>11</sub>H<sub>10</sub>N<sub>4</sub>O

纯度: ≥98%

InChi: InChi=1S/C<sub>11</sub>H<sub>10</sub>N<sub>4</sub>O/c12-8-3-1-2-4-9(8)15-11(16)10-7-13-5-6-14-10/h1-7H,12H2,(H,15,16)

InChi Key: LMWPVSNHKACEKW-UHFFFAOYSA-N

Smiles: NC1C=CC=CC=1NC(=O)C1C=NC=CN=1

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 100 mM

保存条件: Store in dry, dark place for one year.

产品介绍: BG45 is a potent, selective and cell permeable HDAC3 inhibitor. It inhibits HDAC3 with IC<sub>50</sub> of 289 nM. It has IC<sub>50</sub> of 2.0 μM, 2.2 μM and >20 μM for HDAC1, HDAC2, and HDAC6 in cell-free assays, respectively. BG45 triggers significant MM cell growth inhibition via apoptosis, evidenced by caspase and poly (ADP-ribose) polymerase cleavage. BG45 alone and in combination with bortezomib triggers significant tumor growth inhibition in vivo in a murine xenograft model of human MM.