

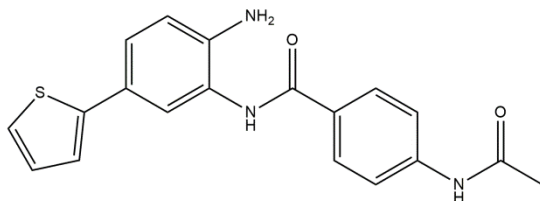
# BRD6929

10/19

**ALTERNATE NAMES:** 4-(Acetylamino)-N-[2-amino-5-(2-thienyl)phenyl]-benzamide; Compound 60; TPB; HDAC1 & 2 Inhibitor

**CATALOG #:** B2931-5 5 mg  
B2931-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>19</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>S

**MOLECULAR WEIGHT:** 351.42

**CAS NUMBER:** 849234-64-6

**APPEARANCE:** Solid

**PURITY:** 97%

**SOLUBILITY:** 2 mg/ml in DMSO

**DESCRIPTION:** BRD6929 is a benzamide-based brain-penetrant inhibitor of Histone deacetylases HDAC1 and HDAC2. It increases histone acetylation and inhibits HDAC1 and HDAC2 with an IC<sub>50</sub> of 1 nM and 8 nM respectively. It shows 50–400 fold selectivity over HDAC3 with an IC<sub>50</sub> of 458 nM. Chronic treatment with BRD6929 improves mood-related behaviors in mice.

**STORAGE TEMPERATURE:** -20°C

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCE:** Schroeder, F.A., Lewis, M.C., Fass, D.M., et al. A selective HDAC 1/2 inhibitor modulates chromatin and gene expression in brain and alters mouse behavior in two mood-related tests. PLoS One 8(8):e71323 (2013).

**RELATED PRODUCTS:**

4-Iodo-SAHA (Cat. No. B2800)  
MPI-5a (Cat. No. B2833)  
HNHA (Cat. No. B2821)  
Coumarin-SAHA (Cat. No. B2805)  
5-Nitroso-8-quinolinol (Cat. No. B2825)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*