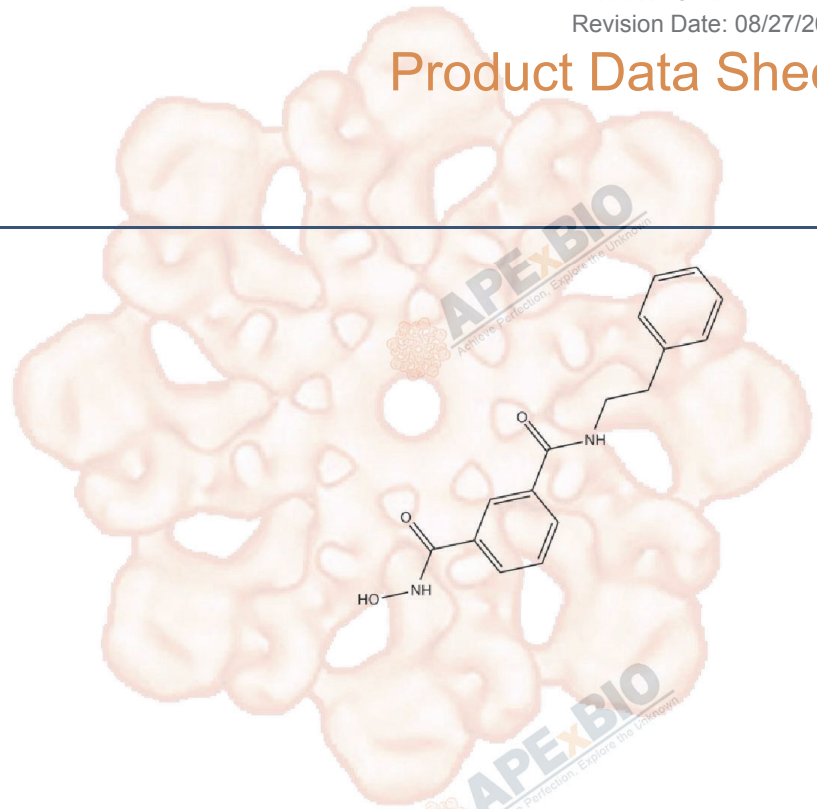


# Product Data Sheet

## BRD73954

**Cat. No.:** B4988  
**CAS No.:** 1440209-96-0  
**Formula:** C<sub>16</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>  
**M.Wt:** 284.31  
**Synonyms:**  
**Target:** DNA Damage/DNA Repair  
**Pathway:** HDAC  
**Storage:** Store at -20°C



### Solvent & Solubility

≥46.4 mg/mL in DMSO; insoluble in EtOH; insoluble in H<sub>2</sub>O

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass		
		1mg	5mg	10mg
	1 mM	3.5173 mL	17.5864 mL	35.1729 mL
	5 mM	0.7035 mL	3.5173 mL	7.0346 mL
	10 mM	0.3517 mL	1.7586 mL	3.5173 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary: potent and selective HDAC inhibitor

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

1.Bagnall NH, Hines BM, et al."Insecticidal activities of histone deacetylase inhibitors against a dipteran parasite of sheep, *Lucilia cuprina*." Int J Parasitol Drugs Drug Resist. 2017Apr;7(1):51-60.PMID:28110187

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX BIO Technology**

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