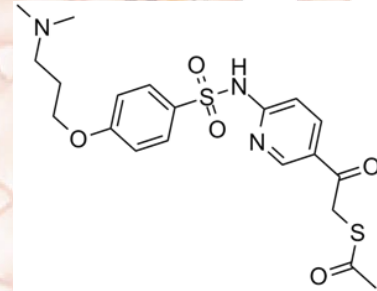


# Product Data Sheet

## KD 5170

<b>Cat. No.:</b>	A4493
<b>CAS No.:</b>	940943-37-3
<b>Formula:</b>	C <sub>20</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub> S <sub>2</sub>
<b>M.Wt:</b>	451.56
<b>Synonyms:</b>	
<b>Target:</b>	DNA Damage/DNA Repair
<b>Pathway:</b>	HDAC
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≥21.2 mg/mL in DMSO with gentle warming; insoluble in H<sub>2</sub>O; insoluble in EtOH

In Vitro

Preparing Stock Solutions	Mass			
	Solvent	1mg	5mg	10mg
Concentration	1 mM	2.2145 mL	11.0727 mL	22.1455 mL
	5 mM	0.4429 mL	2.2145 mL	4.4291 mL
	10 mM	0.2215 mL	1.1073 mL	2.2145 mL

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

### Biological Activity

Shortsummary

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. Shortterm 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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