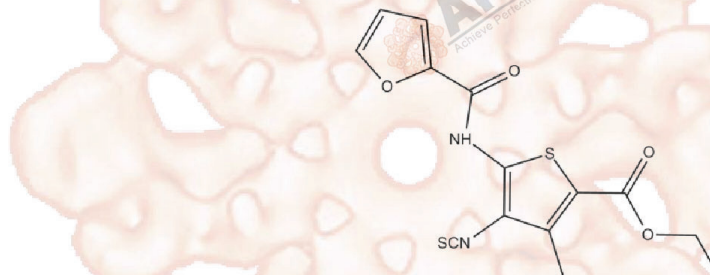


# Product Data Sheet

## CBR-5884

<b>Cat. No.:</b>	A8721
<b>CAS No.:</b>	681159-27-3
<b>Formula:</b>	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub>
<b>M.Wt:</b>	336.39
<b>Synonyms:</b>	
<b>Target:</b>	Metabolism
<b>Pathway:</b>	Dehydrogenase
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

insoluble in EtOH; insoluble in H<sub>2</sub>O; ≥16.8 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass	1mg	5mg	10mg
			Concentration		
		<b>1 mM</b>	2.9727 mL	14.8637 mL	29.7274 mL
		<b>5 mM</b>	0.5945 mL	2.9727 mL	5.9455 mL
		<b>10 mM</b>	0.2973 mL	1.4864 mL	2.9727 mL

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

## Biological Activity

Shortsummary

selective inhibitor of PHGDH

IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Preparation method:

In Vivo

### Animal experiment

Applications:

## Product Citations

1. Sharif T, Martell E, et al. "Phosphoglycerate dehydrogenase inhibition induces p-mTOR-independent autophagy and promotes multilineage differentiation in embryonal carcinoma stem-like cells." Cell Death Dis. 2018 Sep 24;9(10):990.PMID:30250195

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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