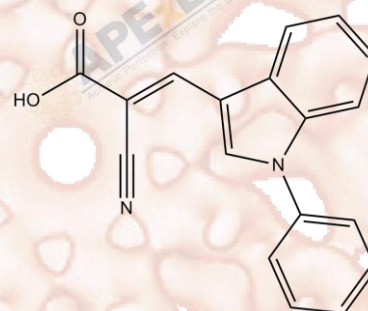


Product Data Sheet

UK-5099

Cat. No.: A3899
CAS No.: 56396-35-1
Formula: C₁₈H₁₂N₂O₂
M.Wt: 288.3
Synonyms: PF-1005023;UK5099;UK 5099;PF1005023;PF 1005023
Target: Membrane Transporter/Ion Channel
Pathway: MCT
Storage: Store at -20°C



Solvent & Solubility

insoluble in EtOH; insoluble in H₂O; ≥28.8 mg/mL in DMSO

In Vitro

	Solvent	Mass Concentration	1mg		
			5mg		
Preparing Stock Solutions	1 mM		3.4686 mL	17.3430 mL	34.6861 mL
	5 mM		0.6937 mL	3.4686 mL	6.9372 mL
	10 mM		0.3469 mL	1.7343 mL	3.4686 mL

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

Biological Activity

Shortsummary

MCTs and MPC inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Li A, Liu Q, et al. "Berberine Reduces Pyruvate-driven Hepatic Glucose Production by Limiting Mitochondrial Import of Pyruvate through Mitochondrial Pyruvate Carrier 1." EBioMedicine. 2018 Aug;34:243-255.PMID:30093307

See more customer validations on 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 APExBIO 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.

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