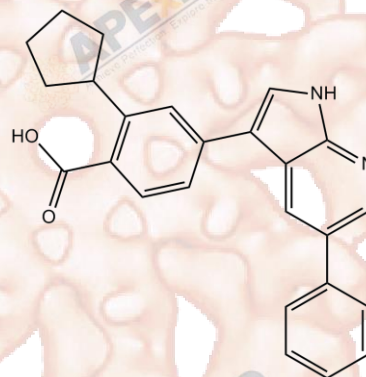


Product Data Sheet

GSK 650394

Cat. No.:	B1051
CAS No.:	890842-28-1
Formula:	C ₂₅ H ₂₂ N ₂ O ₂
M.Wt:	382.45
Synonyms:	
Target:	Others
Pathway:	SGK
Storage:	Store at -20°C



Solvent & Solubility

insoluble in EtOH; insoluble in H₂O; ≥ 19.1 mg/mL in DMSO

In Vitro

	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
Preparing Stock Solutions		1 mM	2.6147 mL	13.0736 mL	26.1472 mL
		5 mM	0.5229 mL	2.6147 mL	5.2294 mL
		10 mM	0.2615 mL	1.3074 mL	2.6147 mL

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

Biological Activity

Shortsummary

SGK1 inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	LNCaP cells
Preparation method:	The solubility of this compound in DMSO is > 10 mM. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below - 20 °C for several months.
Reacting conditions:	~ 10 µM; 7 days

	Applications:	In LNCaP cells, GSK 650394 inhibited androgen-mediated enhancement of Nedd4-2 phosphorylation. In addition, GSK 650394 also significantly inhibited androgen-stimulated growth of LNCaP cells, with an IC50 value of ~ 1 μ M.
In Vivo	Animal experiment	
	Applications:	

Product Citations

1. Koesema E, Kodadek T. "Global analysis of gene expression mediated by OX1 orexin receptor signaling in a hypothalamic cell line." PLoS One. 2017 Nov16;12(11):e0188082.PMID:29145494
2. Dr.Alvaro Diaz. "Condicionamiento de células dendríticas por la capa laminar de Echinococcus granulosus: búsqueda de agonistas y mecanismos a nivel de señalización." colibri.udelar.edu.uy.2016.

See more customer validations on www.apexbt.com.

References

- [1]. Sherk A B, Frigo D E, Schnackenberg C G, et al. Development of a small-molecule serum-and glucocorticoid-regulated kinase-1 antagonist and its evaluation as a prostate cancer therapeutic. Cancer research, 2008, 68(18): 7475-7483.

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.

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