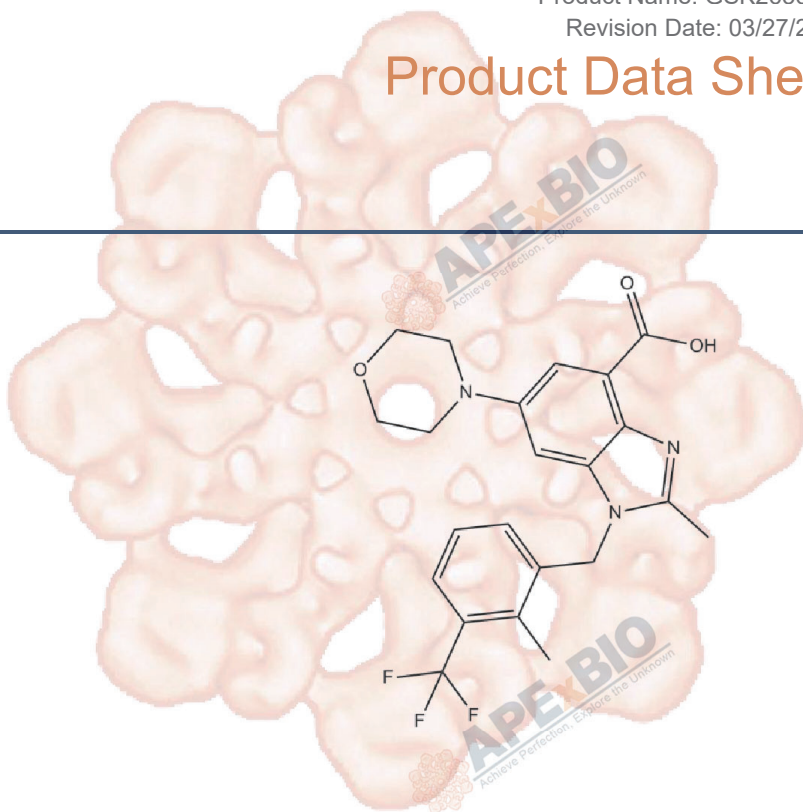


Product Data Sheet

GSK2636771

Cat. No.:	B2186
CAS No.:	1372540-25-4
Formula:	C22H22F3N3O3
M.Wt:	433.42
Synonyms:	
Target:	PI3K/Akt/mTOR Signaling
Pathway:	PI3K
Storage:	Store at -20° C



Solvent & Solubility

insoluble in H₂O; insoluble in EtOH; ≥10.83 mg/mL in DMSO

In Vitro

	Solvent	Mass Concentration	1mg	5mg	10mg
			1mg	5mg	10mg
Preparing Stock Solutions	1 mM		2.3072 mL	11.5362 mL	23.0723 mL
	5 mM		0.4614 mL	2.3072 mL	4.6145 mL
	10 mM		0.2307 mL	1.1536 mL	2.3072 mL

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

Biological Activity

Shortsummary

PIK3 inhibitor

IC₅₀ & Target

Cell Viability Assay

In Vitro

Cell Line:	The human endometrioid endometrial cancer (EEC) cell lines harboring PIK3CA and PTEN mutations
Preparation method:	The solubility of this compound in DMSO is >10.8mg/mL. 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:	1 or 10 μ M for 72h
In Vivo	Applications:	GSK2636771 significantly decreased cell viability in p110 β -reliant PTEN-deficient PC3 prostate and BT549 and HCC70 breast cancer cell lines, and led to a marked decrease of AKT phosphorylation.
	Animal experiment	
	Animal models:	Balb-c nude mice
	Dosage form:	Oral, 100 mg/kg
	Applications:	GSK-2636771 decreased phosphorylated protein kinase Akt (Ser473) levels in these xenograft models, and it did not increase glucose/insulin levels in mice.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

- [1]. Weigelt B., et al. PI3K pathway dependencies in endometrioid endometrial cancer cell lines. Clin Cancer Res. 2013, 19(13), 3533-3544.
- [2]. Macauley D., et al. Drugs Fut, 2012, 37(6), 451.

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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