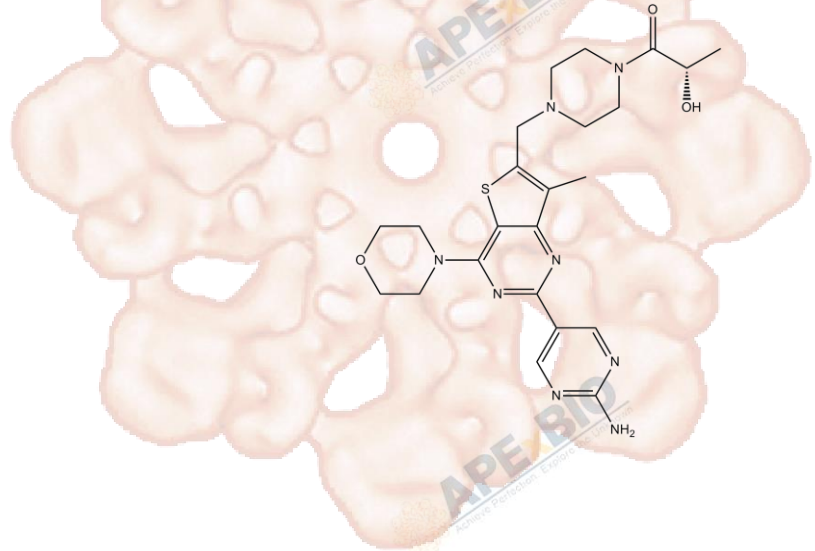


Product Data Sheet

GDC-0980 (RG7422)

Cat. No.:	B2184
CAS No.:	1032754-93-0
Formula:	C ₂₃ H ₃₀ N ₈ O ₃ S
M.Wt:	498.61
Synonyms:	
Target:	PI3K/Akt/mTOR Signaling
Pathway:	mTOR
Storage:	Store at -20°C



Solvent & Solubility

≥21.35 mg/mL in DMSO; insoluble in EtOH; insoluble in H₂O

In Vitro

Preparing Stock Solutions	Mass			
	Solvent Concentration	1mg	5mg	10mg
	1 mM	2.0056 mL	10.0279 mL	20.0558 mL
	5 mM	0.4011 mL	2.0056 mL	4.0112 mL
	10 mM	0.2006 mL	1.0028 mL	2.0056 mL

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

Biological Activity

Shortsummary

Class I PI3K inhibitor for PI3K $\alpha/\beta/\delta/\gamma$

IC₅₀ & Target

5 nM (p110 α), 7 nM (p110 δ), 14 nM (p110 γ), 17 nM(Ki app) (mTOR), 27 nM (p110 β)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

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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