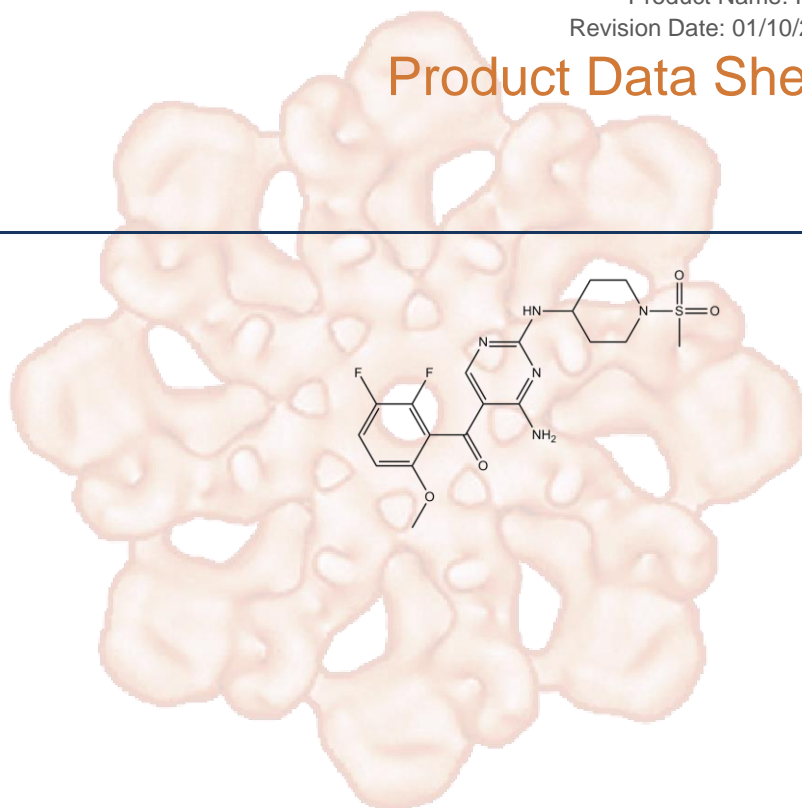


Product Data Sheet

R547

Cat. No.:	A8642
CAS No.:	741713-40-6
Formula:	C ₁₈ H ₂₁ F ₂ N ₅ O ₄ S
M.Wt:	441.45
Synonyms:	
Target:	Cell Cycle/Checkpoint
Pathway:	Cyclin-Dependent Kinases
Storage:	Store at -20°C



Solvent & Solubility

Soluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		2.2653 mL	11.3263 mL	22.6526 mL
	5 mM		0.4531 mL	2.2653 mL	4.5305 mL
	10 mM		0.2265 mL	1.1326 mL	2.2653 mL

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

Biological Activity

Shortsummary

CDK1/2/4 inhibitor,ATP-competitive

 IC₅₀ & Target

1 nM(Ki) (CDK4/CyclinD1), 2 nM(Ki) (CDK1/CyclinB), 3 nM(Ki) (CDK2/CyclinE), >5 μM(Ki) (PKA), >5 μM(Ki) (PKB)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Cingöz O, Goff SP. "Cyclin-dependent kinase activity is required for type I interferon production." Proc Natl Acad Sci U S A. 2018 Mar 27;115(13):E2950-E2959.PMID:29507205
2. Costa, D. C. S.; Forezi, L. S. M.; et al. "A Compendium of Tyrosine-kinase Inhibitors: Powerful and Efficient Drugs against Cancer." Rev. Virtual Quim., 2017, 9 (3), 974-1064.

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. 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.

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