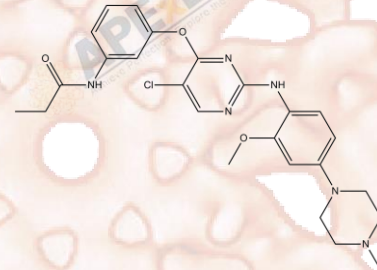


Product Data Sheet

WZ4003

Cat. No.: B1374
CAS No.: 1214265-58-3
Formula: C₂₅H₂₉ClN₆O₃
M.Wt: 496.99
Synonyms:
Target:
Pathway:
Storage: Store at -20°C



Solvent & Solubility

insoluble in H₂O; ≥ 2.68 mg/mL in EtOH with gentle warming and ultrasonic; ≥ 7.85 mg/mL in DMSO with gentle warming

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass		
		1mg	5mg	10mg
	1 mM	2.0121 mL	10.0606 mL	20.1211 mL
	5 mM	0.4024 mL	2.0121 mL	4.0242 mL
	10 mM	0.2012 mL	1.0061 mL	2.0121 mL

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

Biological Activity

Shortsummary

NUAK1/2 inhibitor, potent and selective

IC₅₀ & Target

Cell Viability Assay

In Vitro

Cell Line: U2OS cell lines

Preparation method: The solubility of this compound in DMSO is >7.85mg/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:	10 μ M for 16h
	Applications:	WZ4003 impaired the invasive potential of U2OS cells in a 3D cell invasion assay to the same extent as NUA1 knockdown, which indicates that WZ4003 will serve as useful chemical probes to delineate the biological roles of the NUA1 kinases.
In Vivo	Animal experiment	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

[1] Banerjee S, Buhrlage SJ, Huang HT, et al. Characterization of WZ4003 and HTH-01-015 as selective inhibitors of the LKB1-tumour-suppressor-activated NUA1 kinases. *Biochem J*, 2014, 457(1): 215-225.

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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