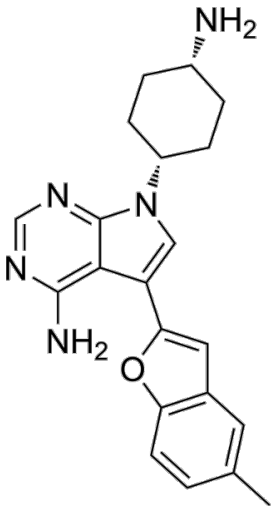
Product Data Sheet

Product Name: PIKfyve-IN-3
Cat. No.: GC74025

Chemical Properties

Cas. No.			
Formula	$C_{21}H_{23}N_5O$	M.Wt	361.44
Solubility	DMSO : 10 mg/mL (27.67 mM; ultrasonic and warming and heat to 60°C)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

PIKfyve-IN-3 (compound L22) has a remarkable interaction with PIKfyve kinase with a Kd value of 0.47 nM. PIKfyve-IN-3 has oral activity. PIKfyve-IN-3 inhibits tumor growth in a HeLa xenograft model.

References:
[1]. Yong Chen, et al. Discovery of Potent and Selective Phosphatidylinositol 3-Phosphate 5-Kinase

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(PIKfyve) Inhibitors as Methuosis Inducers. J Med Chem. 2024, 67, 1.