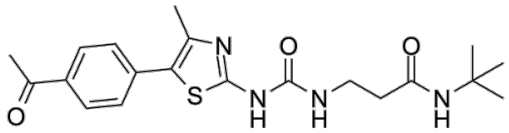
Product Data Sheet

Product Name: NVS-PI3-4
Cat. No.: GC62141

Chemical Properties

Cas. No.	941580-60-5		
Formula	$C_{20}H_{26}N_4O_3S$	M.Wt	402.51
Solubility	DMSO : 250 mg/mL (621.10 mM; Need ultrasonic)	Storage	Store at -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

NVS-PI3-4 is a specific PI3Kγ inhibitor. NVS-PI3-4 can be used for the research of allergies,

inflammatory and cancer diseases[1][2].

NVS-PI3-4 shows an exquisite cellular selectivity for PI3Kγ. NVS-PI3-4 reduces IgE/antigen-mediated phosphorylation of PKB/Akt in p110δDA. NVS-PI3-4 (5 μM; 30 minutes; BMMCs) is not accumulate in specifically in mast cells[2].

[1]. Bruce I, et al. Development of isoform selective PI3-kinase inhibitors as pharmacological tools for elucidating the PI3K pathway. Bioorg Med Chem Lett. 2012;22(17):5445-5450.
[2]. Collmann E, et al. Transient targeting of phosphoinositide 3-kinase acts as a roadblock in mast cells' route to allergy. J Allergy Clin Immunol. 2013;132(4):959-968.