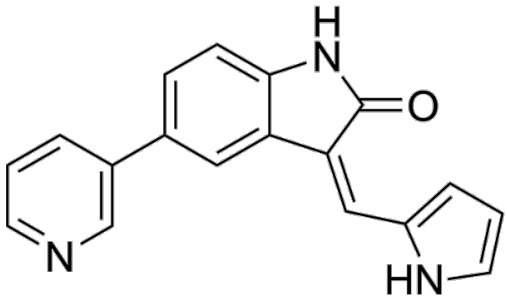
Product Data Sheet

Product Name: JAK3-IN-14
Cat. No.: GC73600

Chemical Properties

Cas. No.	454234-24-3		
Formula	$C_{18}H_{13}N_3O$	M.Wt	287.32
Solubility	DMSO : 125 mg/mL (435.05 mM; Need ultrasonic)	Storage	4°C, protect from light
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

JAK3-IN-14 (compound 1) is a potent JAK3 inhibitor, with IC50 values of 38 and 600 nM for JAK3 and JAK2, respectively. JAK3-IN-14 shows inhibitory of IL-4 and IL-3 induced TF-1 cell proliferation, with IC50 values of 600 and 500 nM, respectively.

References:
[1]. Chen JJ, et al. Development of pyrimidine-based inhibitors of Janus tyrosine kinase 3. Bioorg Med Chem Lett. 2006 Nov 1;16(21):5633-8.

Caution: Product has not been fully validated for medical applications. For research use only.
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