

Product Data Sheet

Product Name: JAK3-IN-14

Cat. No.: GC73600

Chemical Properties

Cas. No. 454234-24-3

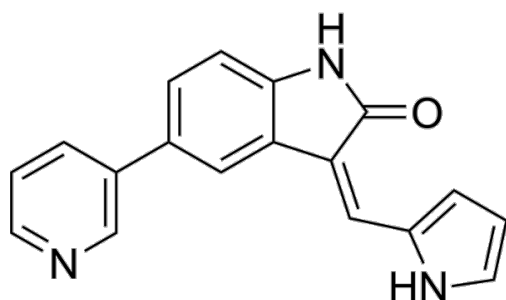
Formula $C_{18}H_{13}N_3O$ M.Wt 287.32

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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA