

Product Data Sheet

Product Name: WHI-P258

Cat. No.: GC38053

Chemical Properties

Cas. No. 21561-09-1

SMILES COC1=CC2=NC=NC(NC3=CC=CC=C3)=C2C=C1OC

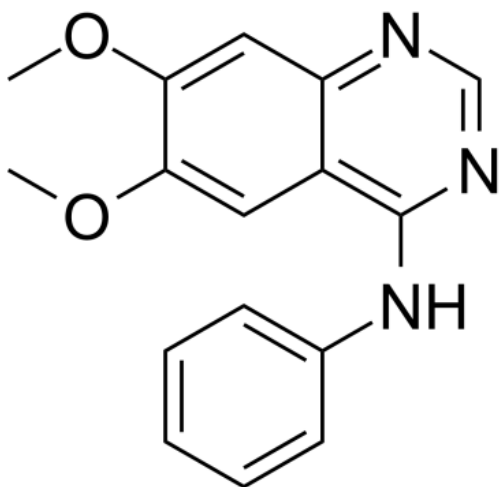
Formula $C_{16}H_{15}N_3O_2$ M.Wt 281.31

Solubility DMSO: 31.25 mg/mL (111.09 mM) 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

WHI-P258, a quinazoline compound, binds to the active site of JAK3 with an estimated K_i of 72 μ M. WHI-P258 does not inhibit JAK3 and does not affect the thrombin-induced aggregation of platelets even at 100 μ M [1][2].

[1]. Sudbeck EA, et al. Structure-based design of specific inhibitors of Janus kinase 3 as apoptosis-inducing antileukemic agents. Clin Cancer Res. 1999 Jun;5(6):1569-82. [2]. Tibbles HE, et al. Role of a JAK3-dependent biochemical signaling pathway in platelet activation and aggregation. J Biol Chem.

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

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2001 May 25;276(21):17815-22.

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