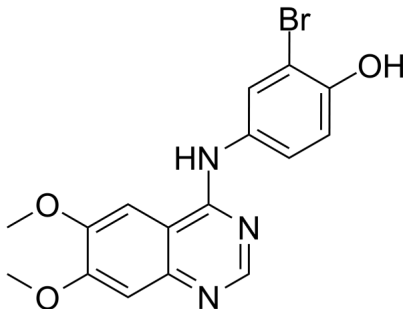


Certificate of Analysis

Catalog Number	BP10997
Product Name	WHI-P154

Physical and Chemical Properties

Synonyms	Jak3 inhibitor ii
CAS No.	211555-04-3
Chemical Formula	C ₁₆ H ₁₄ BrN ₃ O ₃
Molecular Weight	376.21
Solubility	DMSO: 37.6 mg/mL (100 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	WHI-P154 is a potent JAK3 inhibitor.
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Targets&IC50	EGFR: 4 nM, VEGFR: 100 nM, JAK3: 1.8 µM, Src: 100 nM
In vitro	Cells are seeded into a 96-well plate at a density of 2.5×10 ⁴ cells/well and incubated for 36 h at 37 °C before drug exposure. On the day of treatment, culture medium is carefully aspirated from the wells and replaced with fresh medium containing the quinazoline compounds WHI-P154 at concentrations ranging from 0.1 µM to 250 µM. Triplicate wells are used for each treatment. The cells are incubated with the compound for 24hours to 36hours at 37 °C in a humidified 5% CO ₂ atmosphere. To each well, 10 µL of MTT (final concentration, 0.5 mg/mL) is added, and the plate are incubated at 37 °C for 4 h. Than solubilized overnight at 37 °C in a solution containing 10% SDS in 0.01 M HCL. The absorbance of each well is measured in a microplate reader at 570 nm.(Only for Reference)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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