

WHI-P154

Catalog No: tcsc1605



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

211555-04-3

Formula:

$C_{16}H_{14}BrN_3O_3$

Pathway:

Epigenetics;Stem Cell/Wnt;JAK/STAT Signaling;JAK/STAT Signaling;Protein Tyrosine Kinase/RTK

Target:

JAK;JAK;JAK;EGFR;EGFR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 47 mg/mL (124.93 mM)

Observed Molecular Weight:

376.2

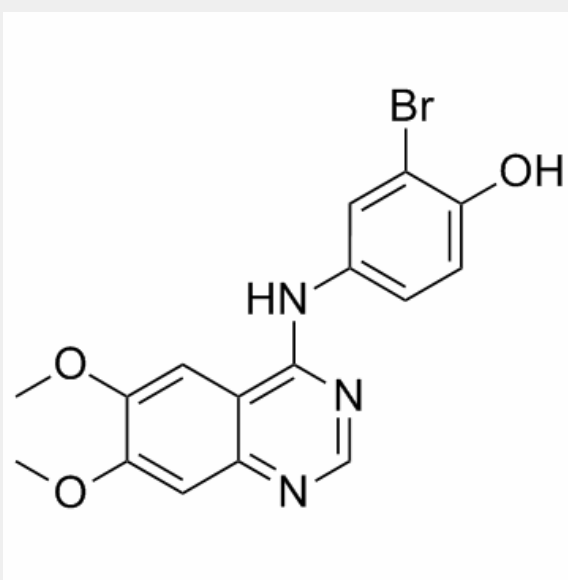
Product Description

WHI-P154 is a potent **EGFR** inhibitor, and also modestly blocks **JAK3**, with **IC₅₀**s of 4 nM and 1.8 μ M, respectively.

IC50 & Target: IC50: 4 nM (EGFR), 1.8 μ M (JAK3)^[1]

In Vitro: WHI-P154 is a potent EGFR inhibitor, and also modestly blocks JAK3, with IC₅₀s of 4 nM and 1.8 μ M, respectively^[1]. WHI-P154 significantly enhances the sensitivity of ABCG2-overexpressing cells to its substrates. WHI-P154 (4 μ M) moderately sensitizes

ABCB1-overexpressing KB-C2 cells to its substrates whereas shows no sensitizing effect on ABCC1-, ABCC2 or ABCC10-mediated drug resistance. Moreover, WHI-P154 (4 μ M) causes a significant increase in the intracellular accumulation of [3 H]-mitoxantrone in ABCG2-overexpressing cells. WHI-P154 alters the expression levels rather than the localization of the ABCG2 protein in ABCG2-overexpressing cells^[2].



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