

WHI-P180 (hydrochloride)

Catalog No: tcsc1703



Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

153437-55-9

Formula:

$C_{16}H_{16}ClN_3O_3$

Pathway:

Protein Tyrosine Kinase/RTK;JAK/STAT Signaling;Protein Tyrosine Kinase/RTK

Target:

VEGFR;EGFR;EGFR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Janex 3 hydrochloride;

Observed Molecular Weight:

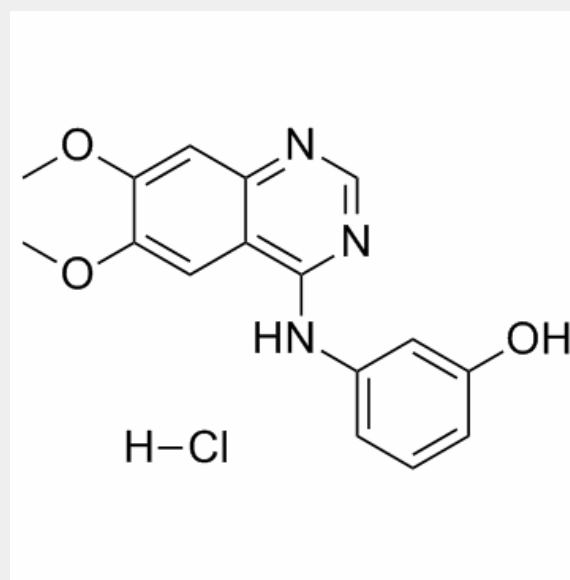
333.77

Product Description

WHI-P180 (Janex 3) is a multi-kinase inhibitor; inhibits **RET**, **KDR** and **EGFR** with **IC₅₀**s of 5 nM, 66 nM and 4 μM, respectively.

IC50 & Target: IC50: 5 nM (RET), 66 nM (KDR)^[1], 4 μM (EGFR)^[2]

In Vivo: WHI-P180 is also an active inhibitor of IgE-mediated mast cell responses. The elimination half-life of WHI-P180 in CD-1 mice (BALB/c mice) following i.v., i.p., or p.o. administration is less than 10 min. Systemic clearance of WHI-P180 is 6742 mL/h/kg in CD-1 mice and 8188 mL/h/kg in BALB/c mice. Notably, WHI-P180, when administered in two consecutive nontoxic i.p. bolus doses of 25 mg/kg, inhibits IgE/antigen-induced vascular hyperpermeability in a well-characterized murine model of passive cutaneous anaphylaxis^[3].



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