

# WHI-P97

**Catalog No: tcsc0054**



## Available Sizes

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**Size:** 2mg

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

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**CAS No:**

211555-05-4

**Formula:**

$C_{16}H_{13}Br_2N_3O_3$

**Pathway:**

Epigenetics; Stem Cell/Wnt; JAK/STAT Signaling

**Target:**

JAK; JAK; JAK

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

455.1

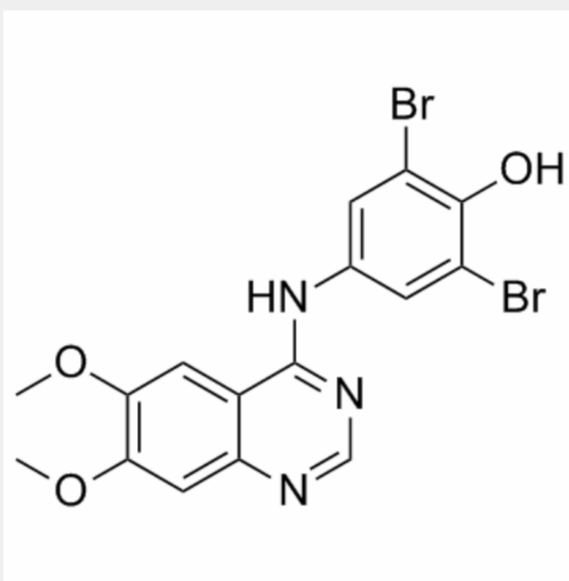
## Product Description

WHI-P97 is a rationally designed potent inhibitor of JAK-3.

IC50 value:

Target: JAK3

Treatment of mast cells with WHI-P97 inhibited the translocation of 5-lipoxygenase (5-LO) from the nucleoplasm to the nuclear membrane and consequently 5-LO-dependent leukotriene (LT) synthesis after IgE receptor/FcεRI crosslinking by >90% at low micromolar concentrations. WHI-P97 did not directly inhibit the enzymatic activity of 5-LO, but prevented its translocation to the nuclear membrane without affecting the requisite calcium signal. WHI-P97 was very well tolerated in mice, with no signs of toxicity at dose levels ranging from 5 microg/kg to 50 mg/kg, and LD(10) was not reached at a 50 mg/kg dose level when administered as a single i. p. or i.v. bolus dose.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!