

# IDO5L

**Catalog No: tcsc1495**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg

**Size:** 200mg

**Size:** 500mg



## Specifications

**CAS No:**

914471-09-3

**Formula:**

$C_9H_7ClFN_5O_2$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Indoleamine 2,3-Dioxygenase (IDO)

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 52$  mg/mL (191.43 mM)

**Observed Molecular Weight:**

271.64

## Product Description

IDO5L is a potent indoleamine 2,3-dioxygenase (**IDO**) inhibitor with an **IC<sub>50</sub>** of 67 nM.

IC50 & Target: IC50: 67 nM (IDO), 19 nM (IDO, in HeLa cell)<sup>[1]</sup>

**In Vitro:** IDO5L (Compound 5l) is a potent (HeLa IC<sub>50</sub>=19 nM) inhibitor of IDO<sup>[1]</sup>. IDO5L is one of the highest potent inhibitors of the IDO1 (IC<sub>50</sub>=19 nM, in HeLa cell assay)<sup>[2]</sup>.

**In Vivo:** Testing of IDO5L in mice demonstrates pharmacodynamic inhibition of IDO, as measured by decreased kynurenine levels (>50%) in plasma and dose dependent efficacy in mice bearing GM-CSF-secreting B16 melanoma tumors. Initial oral pharmacokinetic studies show that IDO5L is rapidly cleared (t<sub>1/2</sub> 50 (PB<sub>adj</sub> IC<sub>50</sub>=1.0 μM, murine cellular B16 IC<sub>50</sub>=46 nM). Notably, kynurenine levels increase back to baseline after 4 h as IDO5L exposure levels decreased below the mouse PB<sub>adj</sub> IC<sub>50</sub> from 1.0 to 0.1 μM<sup>[1]</sup>.



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