

# Ceritinib dihydrochloride

Catalog No: tcsc1407



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

1380575-43-8

**Formula:**

$C_{28}H_{38}Cl_3N_5O_3S$

**Pathway:**

Protein Tyrosine Kinase/RTK;Protein Tyrosine Kinase/RTK;Protein Tyrosine Kinase/RTK

**Target:**

IGF-1R;Insulin Receptor;ALK

**Purity / Grade:**

>98%

**Solubility:**

H2O :  $\geq 170$  mg/mL (269.39 mM)

**Alternative Names:**

LDK378 (dihydrochloride)

**Observed Molecular Weight:**

631.06

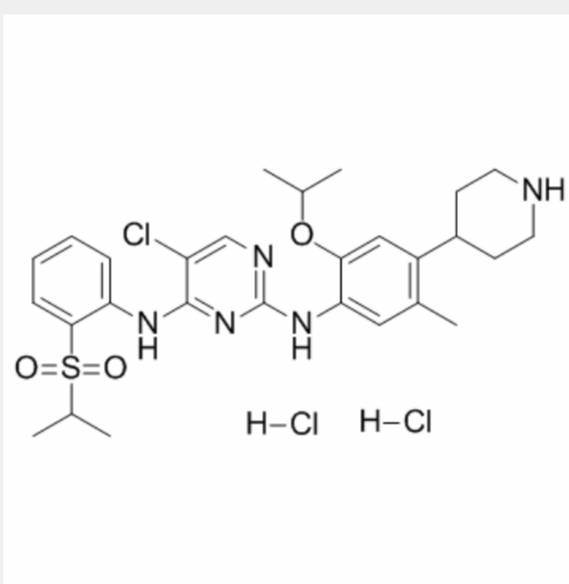
## Product Description

Ceritinib dihydrochloride (LDK378 dihydrochloride) is potent inhibitor against ALK with  $IC_{50}$  of 0.2 nM, shows 40- and 35-fold selectivity against IGF-1R and InsR, respectively.

IC50 & Target: IC50: 0.2 nM (ALK)<sup>[1]</sup>.

**In Vitro:** Ceritinib (LDK378) shows great anti-proliferative activity in Ba/F3-NPM-ALK and Karpas290 cells with  $IC_{50}$  of 26.0 nM and 22.8 nM, compared with  $IC_{50}$  of 319.5 nM and 2477 nM in Ba/F3-Tel-InsR and Ba/F3-WT cells<sup>[1]</sup>.

**In Vivo:** Ceritinib (LDK378) is designed to reduce the possibility of forming reactive metabolites and shows undetectable levels of glutathione (GSH) adducts ([1]).



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