

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

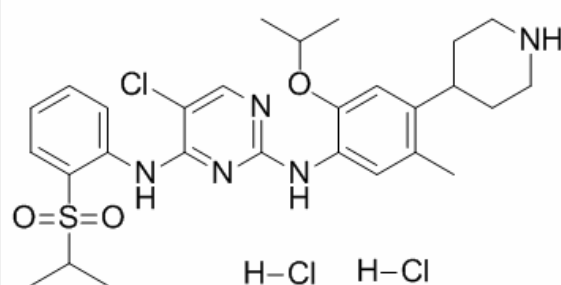
Product Description

Ceritinib dihydrochloride (LDK378 dihydrochloride) is potent inhibitor against ALK with IC₅₀ of 0.2 nM, shows 40- and 35-fold selectivity against IGF-1R and InsR, respectively.

IC50 & Target: IC50: 0.2 nM (ALK)^[1].

In Vitro: Ceritinib (LDK378) shows great anti-proliferative activity in Ba/F3-NPM-ALK and Karpas290 cells with IC₅₀ of 26.0 nM and 22.8 nM, compared with IC₅₀ of 319.5 nM and 2477 nM in Ba/F3-Tel-InsR and Ba/F3-WT cells^[1].

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!