

BLU-554

Catalog No: tcsc5986



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1707289-21-1

Formula:

$C_{24}H_{24}Cl_2N_4O_4$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

FGFR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 25 mg/mL (49.66 mM)

Observed Molecular Weight:

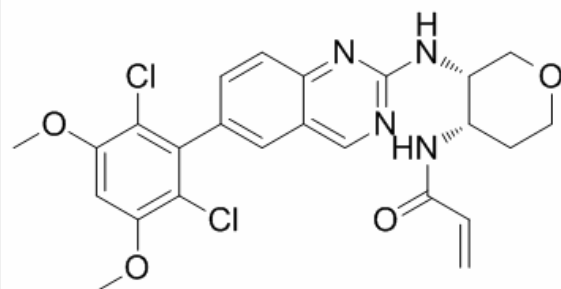
503.38

Product Description

BLU-554 is a potent fibroblast growth factor receptor 4 (**FGFR4**) inhibitor.

IC50 & Target: FGFR4^[1]

In Vitro: Fibroblast growth factor receptor 4 (FGFR-4) is a protein that in humans is encoded by the FGFR-4 gene. This protein is a member of the fibroblast growth factor receptor family, where amino acid sequence was highly conserved between members throughout evolution. FGFR family members 1-4 differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. The genomic organization of the FGFR-4 gene encompasses 18 exons. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for FGFR 1-3^[1].



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