

# ML347

**Catalog No: tcsc3211**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

1062368-49-3

**Formula:**

$C_{22}H_{16}N_4O$

**Pathway:**

TGF-beta/Smad

**Target:**

TGF- $\beta$  Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 6.2 mg/mL (17.59 mM; Need ultrasonic)

**Alternative Names:**

LDN 193719

**Observed Molecular Weight:**

352.39

## Product Description

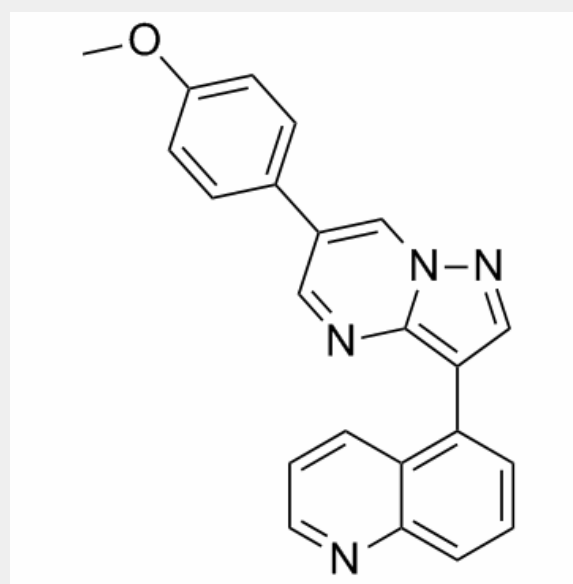
ML347(DN193719) is a highly selective ALK1/ALK2 inhibitor with IC50s of 46/32 nM; shows >300-fold selectivity for ALK2 vs. ALK3.

IC50 value:

Target: ALK1/ALK2

ML347 has IC50's of 46 and 32 nM, respectively, against ALK1 and ALK2; however, the IC50 against ALK3 is 10,800 nM, >300-fold selective over ALK3. ML347 is completely inactive against all

the other kinases tested (with weak activity against ALK6, 9830 nM and KDR (VEGFR2)19,700 nM). ML347 is potent in the BMP4 cell assay (152 nM).



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