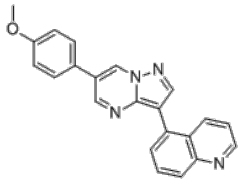
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Data Sheet

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Product Name	:	ML347
Cat. No.	:	PC-60770
CAS No.	:	1062368-49-3
Molecular Formula	:	$C_{22}H_{16}N_4O$
Molecular Weight	:	352.397
Target	:	TGF beta Receptor (TGFBR)
Solubility	:	10 mM in DMSO



Biological Activity

ML347 (VU0469381, LDN193719) is a potent, selective BMP receptor **ALK1/ALK2** inhibitor with IC50 of 46/32 nM, has no affinity for ALK3/4/5/6, blocks the phosphorylation of Smad1/5 by TGF-β1.

References

Engers DW, et al. ***Bioorg Med Chem Lett.*** 2013 Jun 1;23(11):3248-52.

Engers DW, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

Tsugawa D, et al. ***J Pharmacol Exp Ther.*** 2014 Dec;351(3):549-58.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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