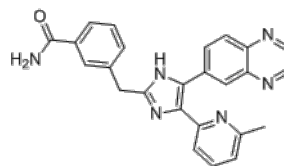


Product Name	: IN-1130
Synonyms	: IN1130; IN 1130
Cat No.	: M16309
CAS Number	: 868612-83-3
Molecular Formula	: C ₂₅ H ₂₀ N ₆ O
Formula Weight	: 420.47
Chemical Name	: Benzamide, 3-[[4-(6-methyl-2-pyridinyl)-5-(6-quinoxaliny)-1H-imidazol-2-yl]methyl]- (9CI)
Description	: A potent ALK5 inhibitor; inhibits the purified kinase domain of ALK5-mediated Smad3 phosphorylation with an IC ₅₀ of 5.3 nM; highly selective in a panel of 27 serine/threonine and tyrosine kinases including p38α; decreases levels of TGF-β1 mRNA, type I collagen mRNA, and pSmad2, compared to UUO control rats; inhibits renal fibrosis in obstructive nephropathy in vivo models.
Pathway	: TGF-β/Smad
Target	: TGFBR
Receptor	: TGFBR
Solubility	: —
SMILES	: <chem>O=C(N)C1=CC=CC(C2=NC(C3=CC=C4N=CC=NC4=C3)=C(C5=NC(C)=CC=C5)N2)=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Moon JA, et al. Kidney Int. 2006 Oct;70(7):1234-43. | 2. Ryu JK, et al. J Sex Med. 2009 May;6(5):1284-96. | 3. Park CY, et al. Cancer Lett. 2014 Aug 28;351(1):72-80.