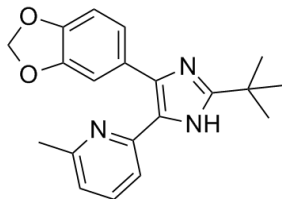


Product Name	: SB-505124	
Synonyms	: SB505124; SB-505124; SB 505124	
Cat No.	: M15656	
CAS Number	: 694433-59-5	
Molecular Formula	: C ₂₀ H ₂₁ N ₃ O ₂	
Formula Weight	: 335.40	
Chemical Name	2-(4-(benzo[d][1,3]dioxol-5-yl)-2-(tert-butyl)-1H-imidazol-5-yl)-6-methylpyridine	
Description	SB505124 is a selective inhibitor of TGFβR for ALK4, ALK5 with IC ₅₀ of 129 nM and 47 nM in cell-free assays, respectively, also inhibits ALK7, but does not inhibit ALK1, 2, 3, or 6.	
Pathway	Angiogenesis	
Target	ALK	
Receptor	ALK4; ALK5	
Solubility	Ethanol: 67 mg/mL (199.76 mM); DMSO: 67 mg/mL (199.76 mM)	
SMILES	<chem>CC1=CC=CC(C2=C(C3=CC=C(C(=C3)C(=C2)C(=C1)C)N=C(C(C)(C)C)N2)=N1</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference		

1. DaCosta Byfield S, et al. Mol Pharmacol. 2004, 65(3), 744-752.