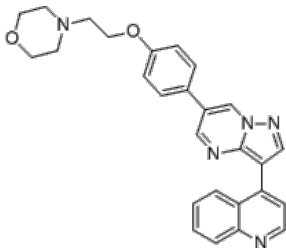


Product Name	: VU 0364849	
Synonyms	: VU 0364849; DMH2; DMH 2	
Cat No.	: M10756	
CAS Number	: 1206711-14-9	
Molecular Formula	: C ₂₇ H ₂₅ N ₅ O ₂	
Formula Weight	: 451.53	
Chemical Name	4-(2-(4-(3-(quinolin-4-yl)pyrazolo[1,5-a]pyrimidin-6-yl)phenoxy)ethyl)morpholine	
Description	A potent, specific BMP receptor activin receptor-like kinase 3 (ALK3) antagonist with K_i of 5.4 nM; also inhibits ALK6 ($K_i < 1$ nM) and ALK2 ($K_i = 42.77$ nM), little to no affinity for ALK4/5, BMPR2, AMPK etc.; blocks SMAD phosphorylation in vitro and in vivo, and enhances liver regeneration after partial hepatectomy.	
Pathway	TGF-beta/Smad	
Target	TGFBR	
Receptor	TGFBR	
Solubility	—	
SMILES	<chem>N1(CCOC2=CC=C(C3=CN4C(N=C3)=C(C5=CC=NC6=CC=CC=C56)C=N4)C=C2)CCOCC1</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference	:	

1. Tsugawa D, et al. J Pharmacol Exp Ther. 2014 Dec;351(3):549-58. 2. Langenfeld E, et al. Mol Cancer. 2013 Oct 26;12(1):129. 3. Langenfeld E, et al. PLoS One. 2013 Apr 12;8(4):e61256.