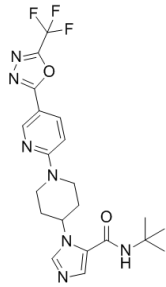


Product Name	: WNK463	
Synonyms	: WNK-463; WNK 463	
Cat No.	: M13138	
CAS Number	: 2012607-27-9	
Molecular Formula	: C ₂₁ H ₂₄ F ₃ N ₇ O ₂	
Formula Weight	: 463.46	
Chemical Name	: 1H-Imidazole-5-carboxamide, N-(1,1-dimethylethyl)-1-[1-[5-[5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]-2-pyridinyl]-4-piperidinyl]-	
Description	: The first, potent, selective, and orally bioavailable pan With-No-Lysine (WNK) Kinase catalytic activity inhibitor with IC ₅₀ of 5/1/6/9 nM for WNK1/2/3/4, respectively; shows >50% inhibition against only 2 out of 442 human kinases at 10 uM; affects blood pressure and body fluid and electro-lyte homeostasis in rodent models of hypertension.	
Pathway	: Autophagy	
Target	: WNK Kinase	
Receptor	: WNK	
Solubility	: DMSO: ≥ 30 mg/mL	
SMILES	: O=C(C1=CN=CN1C2CCN(C3=NC=C(C4=NN=C(C(F)(F)F)O4)C=C3)CC2)NC(C)(C)C	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Yamada K, et al. Nat Chem Biol. 2016 Nov;12(11):896-898. | 2. Zhang J, et al. Sci Signal. 2016 Oct 18;9(450):pe3.