

Product Name	: Piragliatin
Synonyms	: RO 4389620; R-1440
Cat No.	: M15367
CAS Number	: 625114-41-2
Molecular Formula	: C ₁₉ H ₂₀ ClN ₃ O ₄ S
Formula Weight	: 421.90
Chemical Name	: (2R)-2-(3-Chloro-4-(methylsulfonyl)phenyl)-3-((1R)-3-oxocyclopentyl)-N-pyrazinylpropanamide
Description	: Piragliatin (RO 4389620; R-1440) is an allosteric, potent Glucokinase (GK) activator with SC1.5 of 0.18 uM; lowers pre- and postprandial glucose levels, improves the insulin secretory profile, increases β -cell sensitivity to glucose, and decreases hepatic glucose in vivo. Diabetes Phase 2 Discontinued
Pathway	: Cytoskeleton/Cell Adhesion Molecules
Target	: Glucokinase
Receptor	: Glucokinase
Solubility	: —
SMILES	: <chem>O=C(NC1=NC=CN=C1)[C@@H](C2=CC=C(S(=O)(=O)C)C(Cl)=C2)C[C@@H]3CC(CC3)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Sarabu R, et al. J Med Chem. 2012 Aug 23;55(16):7021-36. | 2. Bonadonna RC, et al. J Clin Endocrinol Metab. 2010 Nov;95(11):5028-36. | 3. Zhi J, et al. J Clin Pharmacol. 2016 Feb;56(2):231-8. | 4. Kim MK, et al. PLoS One. 2013 Sep 19;8(9):e73340.