

Product Name	: AUT1
Synonyms	: —
Cat No.	: M19956
CAS Number	: 1311136-84-1
Molecular Formula	: C ₁₈ H ₁₉ N ₃ O ₄
Formula Weight	: 341.37
Chemical Name	: (5R)-5-Ethyl-3-(6-[[4-methyl-3-(methyloxy)phenyl]oxy]-3-pyridinyl)-24-imidazolidinedione
Description	: AUT1 (AUT-1) is a novel specific modulator of Kv3 channels (EC ₅₀ : 4.7 and 4.9 uM for Kv3.1b and Kv3.2a).
Pathway	: Cell Cycle/DNA Damage
Target	: Potassium Channel
Receptor	: Kv3.1b channels; Kv3.2a channels
Solubility	: DMSO: ≥ 250 mg/mL (732.36 mM)
SMILES	: <chem>CC[C@H]1NC(=O)N(C1=O)c1ccc(Oc2ccc(C)c(OC)c2)nc1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Rosato-Siri MD et al. A Novel Modulator of Kv3 Potassium Channels Regulates the Firing of Parvalbumin-Positive Cortical Interneurons. J Pharmacol Exp Ther. 2015 Sep;354(3):251-60.