

Product Name	: QO-40
Synonyms	: —
Cat No.	: M21936
CAS Number	: 1259536-70-3
Molecular Formula	: C ₁₈ H ₁₁ ClF ₃ N ₃ O
Formula Weight	: 377.75
Chemical Name	: —
Description	QO-40 is a KCNQ2/3 potassium channels activator. QO-40 potentially augmented KCNQ2/3 channels expressed in Chinese hamster ovary cells and shifted the half-maximal activation voltage (V _{1/2}) in the hyperpolarizing direction. The V _{1/2} was negatively shifted in a concentration-dependent manner. The compounds markedly slowed both KCNQ2/3 channel activation and deactivation kinetics.
Pathway	: Cell Cycle/DNA Damage
Target	: Potassium Channel
Receptor	: KCNQ2/Q3 potassium channel
Solubility	: —
SMILES	: <chem>FC(F)(F)c1nn4C(=O)C=C(Nc4c1c3cccc2cccc23)CCl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jia C, Qi J, Zhang F, et al. Activation of KCNQ2/3 Potassium Channels by Novel Pyrazolo[1,5-a]pyrimidin-7(4H)-One Derivatives[J]. Pharmacology, 2011, 87(5-6):297-310.