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## CLP257

产品编号: D55139

CAS: 1181081-71-9

分子式: C<sub>14</sub>H<sub>14</sub>FN<sub>3</sub>O<sub>2</sub>S

纯度: 98.13%

InChi Key: InChIKey=SKCADXVKQRCWTR-GHXNOFRVSA-N

Smiles: Oc1c(/C=C2\SC(N3NCCCC3)=NC2=O)ccc(F)c1

外观: 固体粉末

作用通路: Membrane transporter/Ion channel

作用靶点: Potassium Channel

溶解性: DMSO : 17.86 mg/mL (58.11 mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: CLP257 is a selective K<sup>+</sup>-Cl<sup>-</sup> cotransporter KCC2 activator (EC<sub>50</sub>: 616 nM) and it is inactive against NKCC1, GABAA receptors, KCC1, KCC3 or KCC4. CLP257 alleviates hypersensitivity in rats with neuropathic pain and it also modulates plasmalemmal KCC2 protein turnover post-translationally. CLP257 restores impaired Cl<sup>-</sup> transport in neurons with diminished KCC2 activity.