Product Name: CNV1014802 hydrochloride
CAS No.: 934240-31-0
Cat. No.: HY-12796A
MWT: 350.82
Formula: C18H20ClFN2O2
Purity: >98%
Solubility: DMSO: 31mg/mL;

Mechanisms:
Pathways: Membrane Tranporter/Ion Channel; Target: Sodium Channel

Biological Activity:
CNV1014802 (GSK-1014802) Hcl is a novel small molecule state-dependent sodium channel blocker; Nav1.7 sodium channel inhibitor.
IC50 value: Target: sodium channel blocker
Like lamotrigine, both GSK2 and GSK3 were able to prevent the deficit in reversal learning produced by PCP, thus confirming their potential in the treatment of cognitive symptoms of schizophrenia. However, higher doses than those required for anticonvulsant efficacy of the drugs were needed for activity in the reversal-learning model, suggesting a lower therapeutic window relative to mechanism-dependent central side effects for this indication. CNV1014802 received orphan-drug designation from the US Food and Drug Administration in July 2013.

References:

Caution: Not fully tested. For research purposes only
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