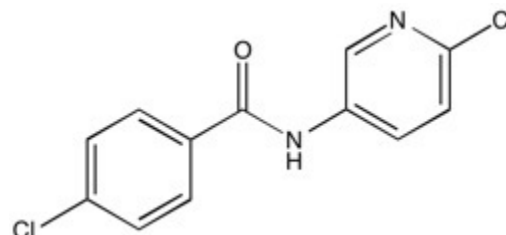


ICA-110381, Potassium Kv7.2/7.3 channel activator

Catalog	Unit
TBI1467-5MG	5 mg
TBI1467-25MG	25 mg

Product Details

Formal Name: 4-Chloro-N-(6-chloro-3-pyridinyl)benzamide
Molecular Formula: C₁₂H₈Cl₂N₂O
Formula Weight: 267.12
CAS Number: 325457-99-6
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 26 mg/ml) or in Ethanol (up to 5 mg/ml).
Storage: RT
Stability: ≥ 2 years.



Applications

Potassium Kv7.2/7.3 channel activator

Functions

A KCNQ2/Q3 (Kv7.2/7.3) activator, EC₅₀=0.38 μM (KCNQ1 IC₅₀=15 μM). KCNQ3/Q5 heterodimers are not affected. Potently dampens neuronal excitability and displays anticonvulsant activity in vivo.

Application Procedures

First dissolved in DMSO (up to 26 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.