

Flupirtine maleate, K⁺ channel activator

Catalog	Unit
TBI2416-50MG	50 mg
TBI2416-100MG	100 mg

Product Details

Formal Name: N-[2-Amino-6-[[4-(4-fluorophenyl)methyl]amino]-3-pyridinyl]carbamic acid ethyl ester maleate

Alternate Names: D9998

Molecular Formula: C₁₅H₁₇FN₄O₂ · C₄H₄O₄

Formula Weight: 420.39

CAS Number: 75507-68-5

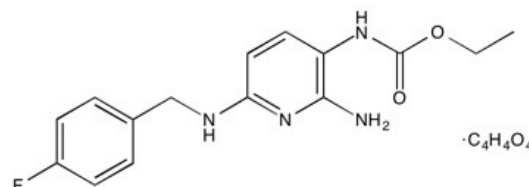
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 40 mg/ml) or in Ethanol (up to 4 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

K⁺ channel activator

Functions

Activates KV7 potassium channels, indirectly antagonizes NMDA receptors and modulates GABAA receptors. Displays neuroprotective actions in a model of cerebral ischemia in mice and reduces apoptosis and necrosis induced by noxious stimuli. Analgesic activity. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Ethanol (up to 4 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.