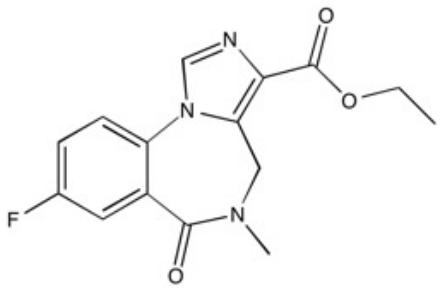
Tribioscience

Flumazenil, Benzodiazepine antagonist

Catalog	Unit
TBI1081-20MG	20mg
TBI1081-100MG	100mg

Product Details

Formal Name: 8-Fluoro-5,6-dihydro-5-methyl-6-oxo-4H-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylic acid, ethyl ester
Alternate Names: Ro 1722; Ro 15-1788
Molecular Formula: $C_{15}H_{14}FN_3O_3$
Formula Weight: 303.30
CAS Number: 78755-81-4
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 8 mg/ml).
Storage: -20°C
Stability: ≥ 2 years.



Applications

Benzodiazepine antagonist

Functions

A benzodiazepine antagonist, panspecific for α1, α2, α3 or α5-containing $GABA_A$ receptors. Reduces withdrawal sequelae in benzodiazepine dependence. Reverses the toxic effects, including coma and respiratory depression of zolpidem intoxication and gabapentin-induced coma.

Application Procedures

First dissolved in DMSO (up to 8 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.