

Itopride (hydrochloride)

Catalog No: tcsc2974



Available Sizes

Size: 100mg

Size: 500mg

Size: 1g

Size: 5g



Specifications

CAS No:

122892-31-3

Formula:

$C_{20}H_{27}ClN_2O_4$

Pathway:

Neuronal Signaling

Target:

AChE

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 52 mg/mL (131.68 mM)

Alternative Names:

HSR803

Observed Molecular Weight:

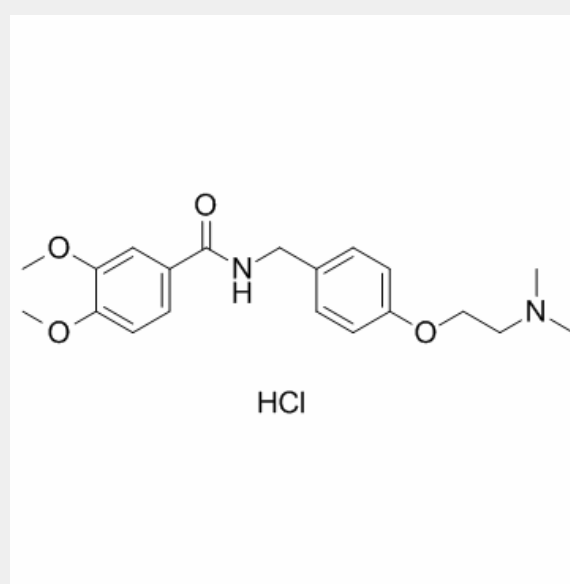
394.89

Product Description

Itopride hydrochloride is an AChE inhibitor (acetylcholinesterase) and D2DR inhibitor.

Target: AChE

Itopride is a gastroprokinetic benzamide derivative. The IC₅₀ of itopride with AChE (2.04 +/- 0.27 microM) was, however, 100-fold less than that with BuChE, whereas in the case of neostigmine with AChE (11.3 +/- 3.4 nM), it was 10-fold less. The inhibitory effect of itopride on cholinesterase (ChE) activity in guinea pig gastrointestinal was much weaker than that on pure AChE. the IC₅₀s of itopride against ChE activities were found to be about 0.5 microM. The IC₅₀ of itopride for electric eel and guinea pig gastrointestinal AChE inhibition was 200 times and 50 times as large as that of neostigmine, respectively [1].



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