

Efaroxan HCl, α_2 adrenergic antagonist

Catalog	Unit
TBI1342-50MG	50 mg
TBI1342-250MG	250 mg

Product Details

Formal Name: 2-Ethyl-2-(imidazolin-2-yl)-2,3-dihydrobenzofuran, hydrochloride

Alternate Names: RX 821037A

Molecular Formula: C₁₃H₁₆N₂O HCl

Formula Weight: 252.74

CAS Number: 89197-00-2

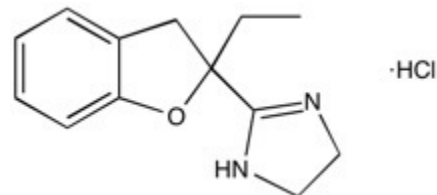
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (up to 25 mg/ml).

Storage: -20°C

Stability: \geq 1 year.



Applications

α_2 adrenergic antagonist

Functions

Selective α_2 -adrenergic receptor antagonist (selectivity ratio of $\alpha_2/\alpha_1 = 724$) and imidazoline receptor antagonist. Induces release of insulin in the rat insulinoma cell line RIN-5AH by interaction with ATP-sensitive potassium channels independently from imidazoline I₁ or I₂ receptors. Increases resting plasma insulin levels and markedly potentiates the rise in insulin levels produced by adrenaline in the rat.

Application Procedures

First dissolved in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20° for up to 1 month.

For research use only.