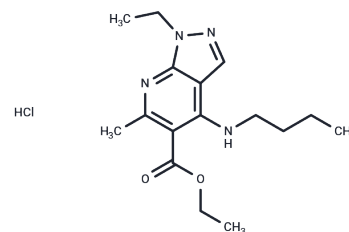


Tracazolate hydrochloride

Chemical Properties

CAS No. :	1135210-68-2
Formula:	C ₁₆ H ₂₅ ClN ₄ O ₂
Molecular Weight:	340.85
Appearance:	no data available
Storage:	store at low temperature, keep away from direct sunlight
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tracazolate hydrochloride (Tracazolate (hydrochloride)) is a modulator of the GABAA receptor with anxiolytic and anticonvulsant activity. Tracazolate hydrochloride potentiates $\alpha 1\beta 1\gamma 2s$ and $\alpha 1\beta 3\gamma 2$ with EC ₅₀ s of 13.2 μ M and 1.5 μ M.
Targets(IC ₅₀)	GABA Receptor
In vitro	Tracazolate hydrochloride (10 μ M) enhanced the sensitivity of $\alpha 1\beta 2\delta$ -containing GABAA receptors and increased the maximum current amplitude in oocytes [1]. Tracazolate hydrochloride inhibited $\alpha 1\beta 1\epsilon$, $\alpha 1\beta 3\epsilon$, $\alpha 1\beta 3$, and $\alpha 6\beta 3\gamma$ with EC ₅₀ s of 4.0 μ M, 1.2 μ M, 2.7 μ M, and 1.1 μ M. Tracazolate hydrochloride interacted with γ -aminobutyric acid GABAA receptors, adenosine receptors, and phosphodiesterases [2].

Solubility Information

Solubility	DMSO: 100 mg/mL (293.4 mM), Sonication is recommended. 1eq. HCl: < 34.09 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9338 mL	14.6692 mL	29.3384 mL
5 mM	0.5868 mL	2.9338 mL	5.8677 mL
10 mM	0.2934 mL	1.4669 mL	2.9338 mL
50 mM	0.0587 mL	0.2934 mL	0.5868 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

N Zheleznova, et al. $\alpha 1\beta 2\delta$, a silent GABAA receptor: recruitment by tracazolate and neurosteroids. Br J Pharmacol. 2008 Mar;153(5):1062-71.

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