

Ifenprodil hemitartrate, GluN2B (formerly NR2B)-preferring NMDA antagonist ab120111

11 References [画像数 2](#)

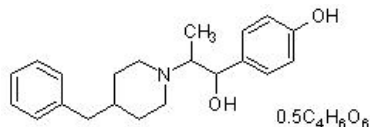
製品の概要

製品名	Ifenprodil hemitartrate, GluN2B (formerly NR2B)-preferring NMDA antagonist
製品の詳細	GluN2B (formerly NR2B)-preferring NMDA antagonist
生理活性の詳細	Non-competitive NMDA receptor antagonist acting at the polyamine site. Displays GluN2B (formerly NR2B) subunit selectivity. IC ₅₀ values are 0.15 μM at NR1/NR2B and >30 μM for NR1/NR2A, NR1/NR2C and NR1/NR2D receptors.
	Also available in simple stock solutions (ab146675) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS 番号

23210-58-4

構造式



製品の特性

体系名	<i>erythro</i> -4-(2-(4-Benzylpiperidin-1-yl)-1-hydroxypropyl)phenol hemitartrate
分子量	400.49
分子式	C ₂₁ H ₂₇ NO ₂ ·0.5C ₄ H ₆ O ₆
PubChem 登録番号	656586
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water to 15 mM and in DMSO to 100 mM
使用に関する注意	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.
	Refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

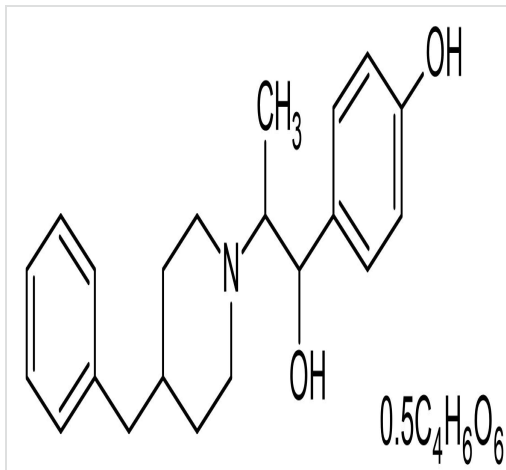
SMILES 線形表記

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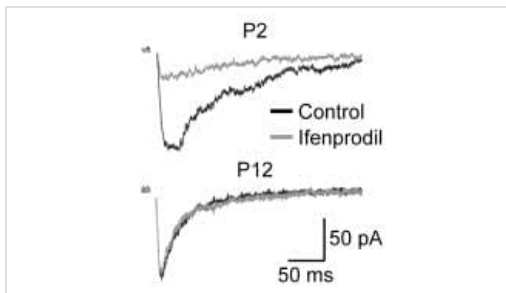
Synthetic

画像



2D chemical structure image of ab120111, ifenprodil hemitartrate, GluN2B (formerly NR2B)-preferring NMDA antagonist

Chemical Structure - Ifenprodil hemitartrate, GluN2B (formerly NR2B)-preferring NMDA antagonist (ab120111)



Median ifenprodil sensitivity from a rat postnatal day 2 (P2) and day 12 (P12) neuron; NMDAR-mediated responses in control (black) and in presence of the GluN2B-preferring antagonist ifenprodil (ab120111, grey).

Functional Studies - Ifenprodil hemitartrate, GluN2B (formerly NR2B)-preferring NMDA antagonist (ab120111)

Image from Case DT et al., PLoS One. 2011;6(6):e20756. Fig 4(D).; doi: 10.1371/journal.pone.0020756. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

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