

Varenicline tartrate, $\alpha 4\beta 2$ partial agonist

Catalog	Unit
TBI2362-5MG	5 mg
TBI2362-25MG	25 mg

Product Details

Formal Name: 7,8,9,10-Tetrahydro-6H-6,10-methanoazepino[4,5-g]quinoxaline tartrate:7,8,9,10-Tetrahydro-6,10-methano-6H-pyrazino(2,3-h)(3)benzazepine tartrate

Alternate Names: Chantix; CP-526,555-18

Molecular Formula: $C_{13}H_{13}N_3 \cdot C_4H_6O_6$

Formula Weight: 361.4

CAS Number: 375815-87-5

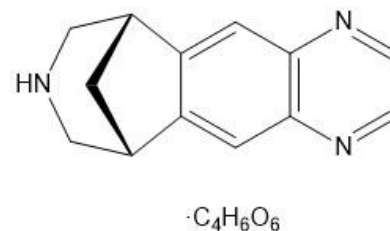
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 18 mg/ml) or in Water (up to 35 mg/ml).

Storage: $-20^{\circ}C$

Stability: ≥ 2 years.



Applications

$\alpha 4\beta 2$ partial agonist

Functions

Varenicline is a partial agonist of the $\alpha 4\beta 2$ neuronal nicotinic acetylcholine receptor ($EC_{50} = 2.3 \mu M$) and a full agonist at $\alpha 7$ neuronal nicotinic receptors. Clinically useful smoking cessation agent.

Application Procedures

First dissolved in DMSO (18 mg/ml) or water (35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20° for up to 3 months.

For research use only.