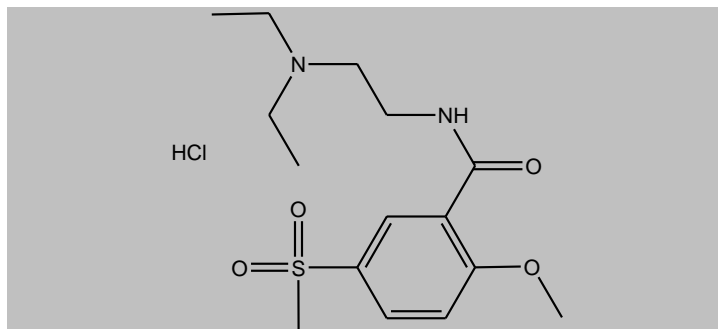


## Tiapride hydrochloride

Cat # NB-48-0919-100MG



### Product Information

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<b>Batch No.:</b>	0338BG/01
<b>Chemical Name:</b>	N-(2-(Diethylamino)ethyl)-2-methoxy-5-(methylsulfonyl)-benzamide hydrochloride
<b>Batch Molecular Formula:</b>	C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> S .HCl
<b>Batch Molecular Weight:</b>	364.89
<b>CAS No.:</b>	[51012-32-9]
<b>Physical Appearance:</b>	White crystalline powder
<b>Storage:</b>	RT

### Solvent and solubility

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Soluble in ethanol

### Biological activity

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Dopamine D<sub>2</sub> and D<sub>3</sub> receptor antagonist. It has affinities for Dopamine D<sub>2</sub> (IC<sub>50</sub> = 110 - 320 nM) and D<sub>3</sub> (IC<sub>50</sub> = 180 nM) receptors *in vitro*, but lacks affinity for Dopamine D<sub>1</sub> and D<sub>4</sub> receptors and for non-dopaminergic receptors including Histamine H<sub>1</sub>, α<sub>1</sub>, α<sub>2</sub> adrenergic and serotonergic receptors. Antipsychotic agent.

### References

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1. Scatton et al. (2001) Eur Psychiatry 16 Suppl 1:29s

- CAUTION - Not fully tested. For Research use only. Not for human use. –

NB-48-0919-100MG Tiapride hydrochloride

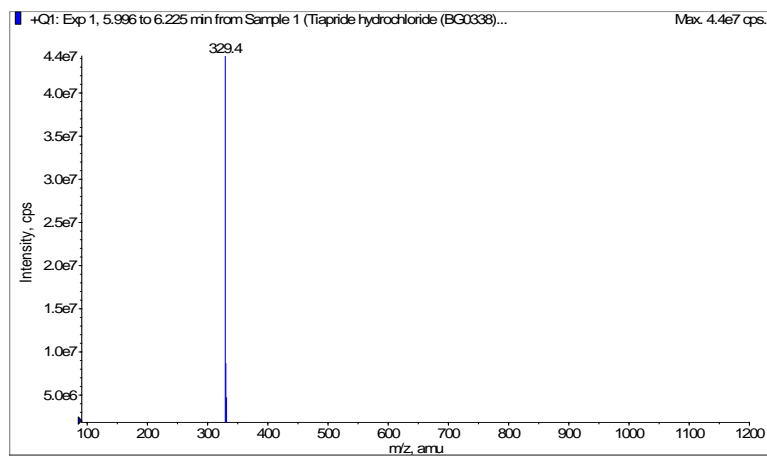
## Analytical data

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HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 4.85 (complies); Loss on drying: 0.06% (complies); Residue on ignition: 0.07% (complies); Heavy Metals: < 20 ppm (complies); HPLC Assay: 99.33% (complies).



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