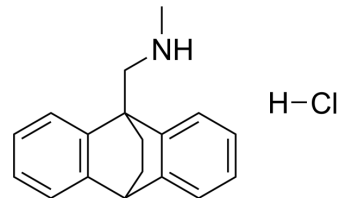


Benzoctamine hydrochloride

| | |
|--------------------|---|
| Cat. No.: | HY-A0171A |
| CAS No.: | 10085-81-1 |
| Molecular Formula: | C ₁₈ H ₂₀ ClN |
| Molecular Weight: | 285.81 |
| Target: | 5-HT Receptor |
| Pathway: | GPCR/G Protein; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Benzoctamine hydrochloride (Ba-30803) is a psychoactive agent with anti-anxiety effect. Benzoctamine hydrochloride blocks the central postsynaptic serotonin receptors and decreases 5-HT turnover in the brain ^{[1][2]} . |
| In Vivo | Benzoctamine hydrochloride (Ba-30803) inhibits the head twitch reaction induced by L-5-hydroxytryptophan (5-HTP) in mice and by 5-methoxytryptamine (5-MT) in rats pretreated with tranylcypromine. Benzoctamine also antagonizes tryptamine (TRP)-induced clonic convulsions of forepaws in rats ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. Lippmann W, et al. Effects of benzoctamine and chlordiazepoxide on turnover and uptake of 5-hydroxytryptamine in the brain. *Br J Pharmacol.* 1974;51(4):571-575.
- [2]. Przegaliński E, et al. On the central antiserotonin activity of benzoctamine and opipramol. *Pol J Pharmacol Pharm.* 1978;30(6):781-790.

Caution: Product has not been fully validated for medical applications. For research use only.

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