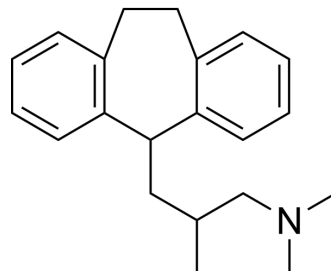


Butriptyline

Cat. No.:	HY-A0175
CAS No.:	35941-65-2
Molecular Formula:	C ₂₁ H ₂₇ N
Molecular Weight:	293.45
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Butriptyline (Butriptylene) is an orally active tricyclic antidepressant agent ^[1] .								
In Vivo	<p>Butriptyline (1000 mg/kg; in diet; 10 weeks) shows anti-obesity effect in mice^[1].</p> <p>Butriptyline hydrochloride (2.5-30 mg/kg; i.p.; 10-15 day intervals) causes a dose dependent depression of the food reinforced responses and slightly depresses the avoidance reflex at the highest doses in male albino rats^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Animal Model:</td> <td>Female CFLP mice, monosodium glutamate (MSG)-induced obesity model^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1000 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>In diet, 10 weeks</td> </tr> <tr> <td>Result:</td> <td>Significantly lowered the body weight.</td> </tr> </table>	Animal Model:	Female CFLP mice, monosodium glutamate (MSG)-induced obesity model ^[1]	Dosage:	1000 mg/kg	Administration:	In diet, 10 weeks	Result:	Significantly lowered the body weight.
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REFERENCES

- [1]. Dulloo AG, et al. Screening of drugs for thermogenic anti-obesity properties: antidepressants. *Ann Nutr Metab.* 1987;31(2):69-80.
- [2]. Molinengo L, et al. The action of imipramine, amitriptyline, doxepin and butriptyline in an operant conditioning schedule. *Psychopharmacologia.* 1972;24(2):247-57.

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

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