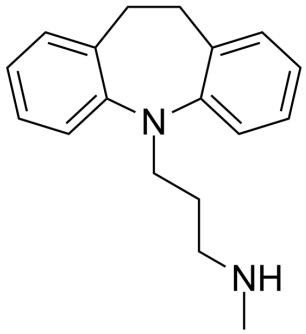
Desipramine

Cat. No.:	HY-B1272A
CAS No.:	50-47-5
Molecular Formula:	$C_{18}H_{22}N_2$
Molecular Weight:	266.38
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Desipramine is a tricyclic psychotic compound, possessing antidepressant activity. Desipramine inhibits the norepinephrine reuptake receptor in the central nervous system and reduces the sleep-related loss of genioglossus activity, can be used to research the improvement of pharyngeal collapsibility[1][2].
IC_{50} & Target	Norepinephrine Reuptake Receptor[1]

CUSTOMER VALIDATION

- Glia. 2022 Jul 1.
- J Parkinson Dis. 2020;10(2):523-542.
- Pharmaceutics. 2022, 14(8), 1523.
- Inflammation. 2021 Mar 4.
- Neural Regen Res. 2021;16:1660-70.

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REFERENCES

[1]. Garcia AS, et al. Autoreceptor-mediated inhibition of norepinephrine release in rat medial prefrontal cortex is maintained after chronic desipramine treatment. J Neurochem. 2004 Nov;91(3):683-93.

[2]. Taranto-Montemurro L, et al. Desipramine improves upper airway collapsibility and reduces OSA severity in patients with minimal muscle compensation. Eur Respir J. 2016 Nov;48(5):1340-1350.

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

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