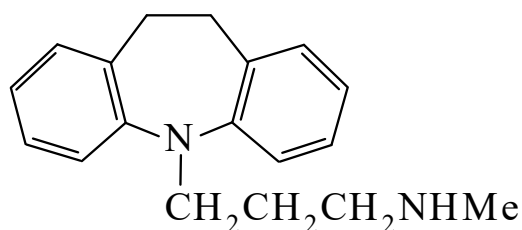




>>>**Entry Name:** Desipramine, BAN, INN

Synonym(s): 10,11-Dihydro-*N*-methyl-5*H*-dibenz[*b,f*]azepine-5-propanamine, 9Cl. 10,11-Dihydro-5-[3-(methylamino)propyl]-5*H*-dibenz[*b,f*]azepine, 8Cl. Desmethylimipramine. Norimipramine. AW 1151129



CAS Registry Number: 50-47-5

Molecular Formula: C₁₈H₂₂N₂

Molecular Weight: 266.385

Accurate Mass: 266.178298

Percentage Composition: C 81.16%; H 8.32%; N 10.52%

Use/Importance: Antidepressant. Principal active metabolite of Imipramine [BNB42-O](#). Noradrenaline reuptake inhibitor

Boiling Point: Bp_{0.02} 172-174°

Calculated Log P Data: Log P 4.09 (calc)

Hazard & Toxicity: Antimuscarinic and sedative effects when used therapeutically. Other human systemic effects. LD₅₀ (rat, orl) 375 mg/kg. Exp. reprod. and teratogenic effects

>>>**Derivative:** Hydrochloride

Synonym(s): Desipramine hydrochloride, JAN, USAN. Pertofran. **Irene**‡. Norpramin. G35020. JB 8181. NSC 114901. Many other names

CAS Registry Number: 58-28-6

Melting Point: Mp 214-218°

Hazard & Toxicity: Human systemic effects when used therapeutically. Exp. reprod. and teratogenic effects. LD₅₀ (rat, orl) 55 mg/kg.

Sigma: D9786

>>>**Derivative:** 2-Hydroxy

Synonym(s): 2-Hydroxydesipramine

CAS Registry Number: 1977-15-7

Molecular Formula: C₁₈H₂₂N₂O

Molecular Weight: 282.385

Accurate Mass: 282.173213

Percentage Composition: C 76.56%; H 7.85%; N 9.92%; O 5.67%

Source/Synthesis: Metab. of Desipramine

Physical Description: Light yellow waxy oil

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