



>>Entry Name: (1-Methylheptyl)hydrazine, 9CI

Synonym(s): 2-Hydrazinooctane. 2-Octylhydrazine. **Octamoxin**, INN. Ximaol. D 15-14

CAS Registry Number: 4684-87-1

$\text{H}_3\text{C}(\text{CH}_2)_5\text{CH}(\text{CH}_3)\text{NHNH}_2$

Molecular Formula: $\text{C}_8\text{H}_{20}\text{N}_2$

Molecular Weight: 144.259

Accurate Mass: 144.162648

Percentage Composition: C 66.61%; H 13.97%; N 19.42%

Biological Use/Importance: Monoamine oxidase inhibitor. Antidepressant

Development Status: No longer marketed

Calculated Log P Data: Log P 2.42 (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 135 mg/kg

>>Variant: (–)-form

CAS Registry Number: 65500-65-4

Molecular Formula: $\text{C}_8\text{H}_{20}\text{N}_2$

Molecular Weight: 144.259

Accurate Mass: 144.162648

Percentage Composition: C 66.61%; H 13.97%; N 19.42%

Optical Rotation: $[\alpha]_{\text{D}} -10.6$ (EtOH)

>>Derivative: Oxalate (1:1)

CAS Registry Number: 65500-66-5

Optical Rotation: $[\alpha]_{\text{D}} -12$ (EtOH)

>>Variant: (±)-form

Molecular Formula: $\text{C}_8\text{H}_{20}\text{N}_2$

Molecular Weight: 144.259

Accurate Mass: 144.162648

Percentage Composition: C 66.61%; H 13.97%; N 19.42%

>>Derivative: Sulfate

Synonym(s): Nimaol

CAS Registry Number: 3845-07-6

Melting Point: Mp 78-80°

>>Derivative: Oxalate (1:1)

Melting Point: Mp 133-134°

References:

U.K. Pat., 1962, *Societe Civile Auguil*, 899 385; *CA*, **58**, 1346d, (*synth, pharmacol*)

Boissier, J.R. *et al.*, *Therapie*, 1967, **22**, 367, (*pharmacol*)

Brown, D.M. *et al.*, *J.C.S. Perkin 1*, 1977, 2052, (*synth*)