>>**Entry Name: (1-Methylheptyl)hydrazine,** 9CI
Synonym(s): 2-Hydrazinooctane. 2-Octylhydrazine. **Octamoxin,** INN. Ximaol. D 15-14

CAS Registry Number: 4684-87-1

$H_3C(CH_2)_5CH(CH_3)NHNH_2$

Molecular Formula: $C_8H_{20}N_2$
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: LD_{50} (mus, ipr) 135 mg/kg

>>**Variant:** (–)-form

CAS Registry Number: 65500-65-4
Molecular Formula: $C_8H_{20}N_2$
Molecular Weight: 144.259
Accurate Mass: 144.162648
Percentage Composition: C 66.61%; H 13.97%; N 19.42%
Optical Rotation: $[\alpha]_D$ –10.6 (EtOH)

>>**Derivative:** Oxalate (1:1)

CAS Registry Number: 65500-66-5
Optical Rotation: $[\alpha]_D$ –12 (EtOH)

>>**Variant:** (±)-form

Molecular Formula: $C_8H_{20}N_2$
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)*