>>**Entry Name: (1-Methyl-2-phenoxyethyl)hydrazine,** 9CI
Synonym(s): Phenoxypropazine, BAN**.** Fenoxypropazine, INN. 2-Hydrazino-1-phenoxypropane

CAS Registry Number: 3818-37-9

Molecular Formula: $C_9H_{14}N_2O$
Molecular Weight: 166.222
Accurate Mass: 166.110613
Percentage Composition: C 65.03%; H 8.49%; N 16.85%; O 9.63%
Use/Importance: Monoamine oxidase inhibitor
Calculated Log P Data: Log P 1.27 (calc)

>>**Variant:** (±)-form

Molecular Formula: $C_9H_{14}N_2O$
Molecular Weight: 166.222
Accurate Mass: 166.110613
Percentage Composition: C 65.03%; H 8.49%; N 16.85%; O 9.63%
Boiling Point: $Bp_{0.2}$ 98-102°

>>**Derivative:** Hydrogen maleate
Synonym(s): Drazine. Fenoxipropazinum. Fenoxypropazine maleate. HP 1275. Phenoxypropazine maleate

CAS Registry Number: 3941-06-8
Molecular Formula: $C_{13}H_{18}N_2O_5$
Molecular Weight: 282.296
Accurate Mass: 282.121573
Percentage Composition: C 55.31%; H 6.43%; N 9.92%; O 28.34%
Physical Description: Prismatic needles (2-propanol)
Melting Point: Mp 107-108°
Hazard & Toxicity: LD_{50} (mus, orl) 460 mg/kg. Exp. reprod. effects

References:

Drain, D.J. *et al.*, *J. Med. Chem.*, 1963, **6**, 63, *(synth, pharmacol)*
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, PDV700