



>>Entry Name: Benaprizine, INN

Synonym(s): 2-(Ethylpropylamino)ethyl α -hydroxy- α -phenylbenzeneacetate, 9CI. 2-(Ethylpropylamino)ethyl benzilate, 8CI. **Benapryzine**, BAN

CAS Registry Number: 22487-42-9

$\text{Ph}_2\text{C}(\text{OH})\text{COOCH}_2\text{CH}_2\text{NEtCH}_2\text{CH}_2\text{CH}_3$

Molecular Formula: $\text{C}_{21}\text{H}_{27}\text{NO}_3$

Molecular Weight: 341.449

Accurate Mass: 341.199094

Percentage Composition: C 73.87%; H 7.97%; N 4.10%; O 14.06%

Use/Importance: Antiparkinsonian, anticholinergic agent

Development Status: No longer marketed

Calculated Log P Data: Log P 4.11 (calc)

>>Derivative: Hydrochloride

Synonym(s): **Benapryzine hydrochloride**, USAN. Brizin. AP 1288. BRL 1288

CAS Registry Number: 3202-55-9

Physical Description: Plates (butanone)

Melting Point: Mp 164-166°

Hazard & Toxicity: LD₅₀ (mus, orl) 500 mg/kg

References:

Brown, D.M. *et al.*, *Br. J. Pharmacol.*, 1973, **47**, 476, (*pharmacol*)

U.S. Pat., 1973, *Beecham*, 3 746 743; *CA*, **79**, 78413n, (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., *Pharmaceutical Press*, 1982, 341