



>>Entry Name: Benactyzine, BAN, INN

Synonym(s): 2-(Diethylamino)ethyl α -hydroxy- α -phenylbenzeneacetate, 9CI. 2-(Diethylamino)ethyl benzilate, 8CI. AY 5406-1. Many other names

CAS Registry Number: 302-40-9

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

Molecular Formula: $\text{C}_{20}\text{H}_{25}\text{NO}_3$

Molecular Weight: 327.422

Accurate Mass: 327.183444

Percentage Composition: C 73.37%; H 7.70%; N 4.28%; O 14.66%

Use/Importance: Muscarinic receptor antagonist with antidepressant activity. NMDA receptor antagonist, anticholinergic agent

Melting Point: Mp 51°

Calculated Log P Data: Log P 3.58 (calc)

Hazard & Toxicity: LD₅₀ (rat, ims) 135 mg/kg

>>Derivative: Hydrochloride

Synonym(s): Suavitil. Actozine. Amizil. Cevanol. Parasan. Tranquillin. Many other names

CAS Registry Number: 57-37-4

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 177-178° (154-155°)

Solubility: Sol. H_2O , insol. Et_2O

Hazard & Toxicity: LD₅₀ (rat, orl) 184 mg/kg. Exp. reprod. effects

Aldrich: B70-4

Sigma: B6134

>>Derivative: N-Me

see Methylbenactyzium(1+), [FCV85-S](#)

References:

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