



>>Entry Name: 2-(Diphenylmethoxy)-N,N-diethylethanamine, 9CI
Synonym(s): 2-(Diphenylmethoxy)triethylamine, 8CI. Diethylbenzhydramine

CAS Registry Number: 642-58-0
Type of Compound Code(s): XA2050
Ph2CHOCH2CH2NEt2

Molecular Formula: $C_{19}H_{25}NO$
Molecular Weight: 283.413
Accurate Mass: 283.193614
Percentage Composition: C 80.52%; H 8.89%; N 4.94%; O 5.65%
Use/Importance: Anticholinergic, antiparkinsonian agent
Calculated Log P Data: Log P 4.42 (calc)
Hazard & Toxicity: LD₅₀ (mus, ipr) 54 mg/kg

>>Derivative: Hydrochloride
Synonym(s): Antiparkin

CAS Registry Number: 86-24-8
Melting Point: Mp 144°
Hazard & Toxicity: LD₅₀ (rat, ipr) 55 mg/kg

References:

Protiva, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1948, **13**, 326, (*synth, activity*)
Hohensee, F. *et al.*, *Arzneim.-Forsch.*, 1955, **5**, 709, (*pharmacol*)
Gamburyan, A.A. *et al.*, *Khim.-Farm. Zh.*, 1978, **12**, 38, (*props*)