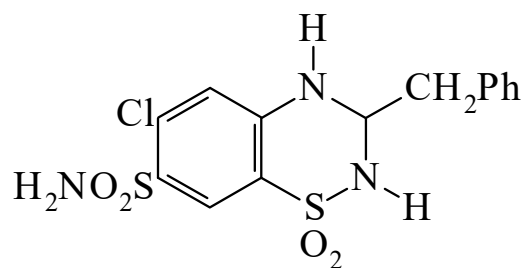




>>Entry Name: Benzylhydrochlorothiazide, JAN

Synonym(s): 6-Chloro-3,4-dihydro-3-(phenylmethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9Cl. 3-Benzyl-6-chloro-3,4-dihydro-7-sulfamoyl-1,2,4-benzothiadiazine 1,1-dioxide. Behitiazide. Behyd. Dehydron. Su 6227



CAS Registry Number: 1824-50-6

Molecular Formula: C₁₄H₁₄ClN₃O₄S₂

Molecular Weight: 387.867

Accurate Mass: 387.011424

Percentage Composition: C 43.35%; H 3.64%; Cl 9.14%; N 10.83%; O 16.50%; S 16.53%

Use/Importance: Antihypertensive and diuretic agent

Calculated Log P Data: Log P 1.48 (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) >10000 mg/kg

>>Variant: (±)-form

Molecular Formula: C₁₄H₁₄ClN₃O₄S₂

Molecular Weight: 387.867

Accurate Mass: 387.011424

Percentage Composition: C 43.35%; H 3.64%; Cl 9.14%; N 10.83%; O 16.50%; S 16.53%

Physical Description: Cryst. (AcOH aq.)

Melting Point: Mp 260-262°

References:

Werner, L.H. *et al.*, *J.A.C.S.*, 1960, **82**, 1161, (*synth*)

Novello, F.C. *et al.*, *J.O.C.*, 1960, **25**, 970, (*synth*)

Topliss, J.G. *et al.*, *J.O.C.*, 1961, **26**, 3842, (*synth, pharmacol*)

U.K. Pat., 1962, *Simes SpA*, 898 109; *CA*, **57**, 12516b, (*synth*)