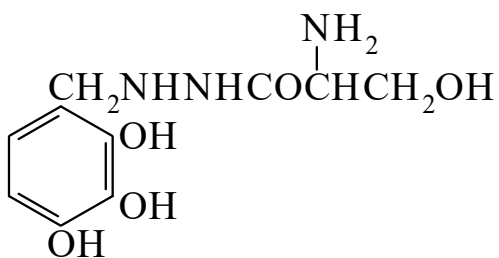




>>Entry Name: Benserazide, BAN, INN, USAN

Synonym(s): Serine 2-(2,3,4-trihydroxyphenyl)methylhydrazide, 9Cl. *N*-Seryl-*N'*-(2,3,4-trihydroxybenzyl)hydrazine, 8Cl. Serazide. Ro 4-4602



Related CAS Registry Numbers(s): 14046-64-1

Molecular Formula: C₁₀H₁₅N₃O₅

Molecular Weight: 257.246

Accurate Mass: 257.101172

Percentage Composition: C 46.69%; H 5.88%; N 16.33%; O 31.10%

Use/Importance: Antiparkinsonian, dopa-decarboxylase inhibitor

Calculated Log P Data: Log P -2.85 (calc)

>>Variant: (±)-form

CAS Registry Number: 322-35-0

Molecular Formula: C₁₀H₁₅N₃O₅

Molecular Weight: 257.246

Accurate Mass: 257.101172

Percentage Composition: C 46.69%; H 5.88%; N 16.33%; O 31.10%

>>Derivative: Hydrochloride

Synonym(s): Benserazide hydrochloride, JAN

CAS Registry Number: 14919-77-8

Melting Point: Mp 146-148°

Solubility: Sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 5300 mg/kg

Sigma: B7283

References:

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Rauws, A.G. *et al.*, *Toxicol. Appl. Pharmacol.*, 1982, **66**, 201, (*tox*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 835

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, SCA400