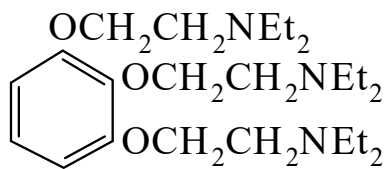




>>Entry Name: Gallamine, BAN

Synonym(s): 2,2',2'''-[1,2,3-Benzenetriyltris(oxy)]tris(*N,N*-diethylethanamine), 9Cl. 2,2''',2''''-(*v*-Phenenyltrioxy)tristriethylamine, 8Cl



CAS Registry Number: 153-76-4

Molecular Formula: C₂₄H₄₅N₃O₃

Molecular Weight: 423.638

Accurate Mass: 423.346092

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Use/Importance: Potassium channel (SK_{Ca}) blocker. Muscarine receptor antagonist. Pharmacol. tool for defining muscarinic receptor subtypes. Neuromuscular blocker. Muscle relaxant

Melting Point: Mp 145-150°

Calculated Log P Data: Log P 3.97 (calc)

>>Derivative: Hydrochloride

Use/Importance: Used as a 0.1M aq. soln. for photometric detn. of BrO₃⁽⁻⁾, NO₂⁽⁻⁾

Physical Description: Cryst.

>>Derivative: Ethiodide (1:3)

Synonym(s): Gallamine triethiodide, INN, USAN. Benzcurine iodide. Flaxedil. Relaxan. Retensin. Many other names

CAS Registry Number: 65-29-2

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 152-153°

Solubility: Insol. Me₂CO, Et₂O, C₆H₆, CHCl₃

Hazard & Toxicity: LD₅₀ (rbt, orl) 100 mg/kg. LD₅₀ (rbt, ivn) 0.44 mg/kg

Aldrich: 28593-5

Rare Chemicals Library: S35680-8

Sigma: G8134

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