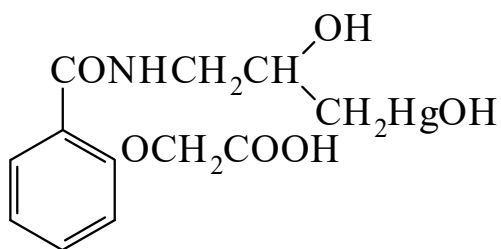




>>Entry Name: Mercuderamide, INN

Synonym(s): [2-[[[(2-Carboxymethoxy)benzoyl]amino]-2-hydroxypropyl]hydroxymercury, 9Cl. [3-(α -Carboxy-*o*-anisamido)-2-hydroxypropyl]hydroxymercury, 8Cl. *o*-[[[(2-Hydroxy-3-hydroxymercuri)propyl]carbamoyl]phenoxyacetic acid. Neptal. Unephral



CAS Registry Number: 525-30-4

Molecular Formula: C₁₂H₁₅HgNO₆

Molecular Weight: 469.844

Accurate Mass: 471.060556

Percentage Composition: C 30.68%; H 3.22%; Hg 42.69%; N 2.98%; O 20.43%

Use/Importance: Diuretic

>>Variant: ($\pm$)-form

Molecular Formula: C₁₂H₁₅HgNO₆

Molecular Weight: 469.844

Accurate Mass: 471.060556

Percentage Composition: C 30.68%; H 3.22%; Hg 42.69%; N 2.98%; O 20.43%

Physical Description: Bitter-tasting solid

Melting Point: Mp 200-205 dec. $^{\circ}$

Solubility: Insol. H₂O, EtOH, Et₂O

>>Derivative: Me ether

Synonym(s): Mersalyl acid

CAS Registry Number: 486-67-9

Molecular Formula: C₁₃H₁₇HgNO₆

Molecular Weight: 483.87

Accurate Mass: 485.076206

Percentage Composition: C 32.27%; H 3.54%; Hg 41.46%; N 2.89%; O 19.84%

Use/Importance: Diuretic, used as Na salt

Development Status: Superseded

Hazard & Toxicity: Hepatotoxic and nephrotoxic. LD₅₀ (rat, ims) 24 mg/kg

Aldrich: 22049-3

Fluka: 63878

Sigma: M9784

>>Derivative: Me ether, Na salt

Synonym(s): Mersalyl, INN. Salyrgan. Mercusal. Salurin

CAS Registry Number: 492-18-2

Use/Importance: Thiol-reactive agent. Used as a pharmacological tool in the study of sulfhydryl-mediated pathways

Physical Description: Bitter-tasting deliquescent solid

Other Data: Decl. on exp. to light. Component of Neptal and Diursal

Hazard & Toxicity: Hepatotoxic and nephrotoxic. LD₅₀ (rat, ims) 24 mg/kg

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