

Hexoprenaline Sulfate

Chemical Properties

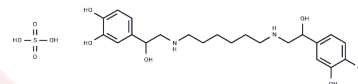
CAS No. : 32266-10-7

Formula: C₂₂H₃₄N₂O₁₀S

Molecular Weight: 518.58

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

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|---------------|--|
| Description | Hexoprenaline Sulfate is a selective beta2-adrenoreceptor agonist. Hexoprenaline Sulfate is active in man as a bronchodilator by the oral or intravenous routes and by inhalation. Hexoprenaline Sulfate is indicated for use in the treatment of bronchospasm associated with obstructive airways diseases, including bronchitis, asthma and emphysema. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9283 mL | 9.6417 mL | 19.2834 mL |
| 5 mM | 0.3857 mL | 1.9283 mL | 3.8567 mL |
| 10 mM | 0.1928 mL | 0.9642 mL | 1.9283 mL |
| 50 mM | 0.0386 mL | 0.1928 mL | 0.3857 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Trittenwein G, Rosegger H, Beitzke A, Lichtenegger W, Rosanelli K, Zeichen HL. [Heart function in infants and small children, whose mothers required tocolysis with hexoprenaline sulfate (Gynipral)]. *Wien Klin Wochenschr.* 1986 Sep 26;98(18):613-7. German. PubMed PMID: 3788179.
- Rivier G, Nicole A, Stucki D, Regamey C. [Lesional pulmonary edema associated with tocolysis by hexoprenaline sulfate]. *Schweiz Med Wochenschr.* 1992 Feb 15;122(7):237-41. French. PubMed PMID: 1539126.
- Niveiro E, Oehling A. [Hexoprenaline sulfate in the treatment of bronchospastic processes]. *Allergol Immunopathol (Madr).* 1974 Nov-Dec;2(6):387-98. Spanish. PubMed PMID: 4464780.
- Mayer M, Minichmayr A, Klement F, Hroncek K, Wertaschnigg D, Arzt W, Wiesinger-Eidenberger G, Lechner E. Tocolysis with the β -2-sympathomimetic hexoprenaline increases occurrence of infantile haemangioma in preterm infants. *Arch Dis Child Fetal Neonatal Ed.* 2013 Mar;98(2):F108-11. doi: 10.1136/archdischild-2011-301030. Epub 2012 May 18. PubMed PMID: 22611112.

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