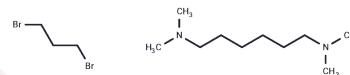


Hexadimethrine bromide

Chemical Properties

CAS No. : 28728-55-4
 Formula: (C₁₃H₃₀N₂)_n.Br₂
 Molecular Weight:
 Appearance: no data available
 keep away from moisture
 Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Hexadimethrine bromide (1,5-Dimethyl-1,5-diazaundecamethylene polymethobromide) is a synthetic polymer which agglutinates red blood cells, and used as a heparin antagonist.
Targets(IC50)	Others
In vitro	Hexadimethrine bromide impedes the proliferation of human mesenchymal stem cells during lentiviral transduction and is deemed non-toxic at low concentrations. Yet, at levels exceeding 10 µg/mL, it adversely impacts the proliferation of certain cell types. Moreover, cells treated with Hexadimethrine bromide and then trypsinized appear significantly enlarged under microscopic examination.

Solubility Information

Solubility	DMSO: 4.5 mg/mL, Sonication and heating are recommended. H ₂ O: 125 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Lin P, et al. Polybrene inhibits human mesenchymal stem cell proliferation during lentiviral transduction. PLoS One. 2011;6(8):e23891.

Abe A, et al. Polybrene increases the efficiency of gene transfer by lipofection. Gene Ther. 1998 May;5(5):708-11.

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