

<b>Product Name</b>	: Hexadimethrine bromide
<b>Synonyms</b>	: 1,5-Dimethyl-1,5-diazaundecamethylene polymethobromide
<b>Cat No.</b>	: M22124
<b>CAS Number</b>	: 28728-55-4
<b>Molecular Formula</b>	: (C <sub>13</sub> H <sub>30</sub> N <sub>2</sub> ) <sub>n</sub> .2Br
<b>Formula Weight</b>	: —
<b>Chemical Name</b>	: —
<b>Description</b>	<p>Hexadimethrine bromide is a synthetic polymer which agglutinates red blood cells, and used as a heparin antagonist. Hexadimethrine bromide inhibits human mesenchymal stem cell proliferation during lentiviral transduction. Hexadimethrine bromide is considered non-toxic at low concentrations, but has been found to negatively affect cell proliferation in some cell types at concentrations greater than 10 µg/mL. Trypsinized cells exposed to Hexadimethrine bromide are visibly larger in size when viewed under the microscope.</p>
<b>Pathway</b>	: Others
<b>Target</b>	: Other Targets
<b>Receptor</b>	: heparin
<b>Solubility</b>	: H <sub>2</sub> O: 125 mg/mL (309.20 mM); DMSO: 4.5 mg/mL (Need ultrasonic and warming)
<b>SMILES</b>	: —
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

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