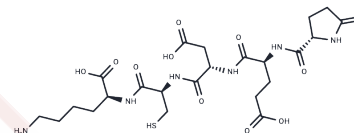


## Hemoregulatory peptide 5b

## Chemical Properties

CAS No. :	84588-89-6
Formula:	C <sub>23</sub> H <sub>36</sub> N <sub>6</sub> O <sub>11</sub> S
Molecular Weight:	604.63
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Hemoregulatory peptide 5b is a synthetic analog of granulocyte chalone which initially identified in extracts of rodent bone marrow and human leukocytes. Monomer inhibits both formations of GM-CFC colonies and cytotoxic drug-induced recruitment of murine CRU-S cells into the active cell cycle.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6539 mL	8.2695 mL	16.539 mL
5 mM	0.3308 mL	1.6539 mL	3.3078 mL
10 mM	0.1654 mL	0.827 mL	1.6539 mL
50 mM	0.0331 mL	0.1654 mL	0.3308 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

- Kreja L, Hågås P, Muller-Bérat N, Laerum OD, Sletvold O, Paukovits WR. Effects of a hemoregulatory peptide (HP5b) on erythroid and myelopoietic colony formation in vitro. *Scand J Haematol.* 1986 Aug;37(2):79-86. PubMed PMID: 3764340.
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- Paukovits JB, Rutter R, Ganglberger E, Karlic HI, Marian B, Paukovits WR. The hemoregulatory peptide pEEDCK may inhibit stem cell proliferation via hydrophobic binding to antisense sequence motifs in interleukin-11 and other growth factors. *Mol Pharmacol.* 1999 Oct;56(4):665-74. PubMed PMID: 10496948.
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