

6-Chloromelatonin

Chemical Properties

CAS No.:	63762-74-3
Formula:	C ₁₃ H ₁₅ CIN ₂ O ₂
Molecular Weight:	266.73
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	melatonin agonist
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Solubility Information

Solubility	DMSO: 100 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.749 mL	18.746 mL	37.491 mL
5 mM	0.75 mL	3.749 mL	7.498 mL
10 mM	0.375 mL	1.875 mL	3.749 mL
50 mM	0.075 mL	0.375 mL	0.75 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Lo KW, Kan HM, Ashe KM, Laurencin CT. The small molecule PKA-specific cyclic AMP analogue as an inducer of osteoblast-like cells differentiation and mineralization. *J Tissue Eng Regen Med*. 2012 Jan;6(1):40-8.
2. Simone Kiermayer, Ricardo M. Biondi, et al., Epac Activation Converts cAMP from a Proliferative into a Differentiation Signal in PC12 Cells. *Molecular Biology of the Cell*. Vol. 16, 5639-5648, December 2005.
3. Cheng X, Ji Z, Tsalkova T, Mei F. Epac and PKA: a tale of two intracellular cAMP receptors. *Acta Biochim Biophys Sin (Shanghai)*. 2008 Jul;40(7):651-62.

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