

Product data sheet



MedKoo Cat#: 540189 Name: H7 dihydrochloride CAS: 108930-17-2 Chemical Formula: C ₃₁ H ₄₂ N ₆ O ₅ S Molecular Weight: 364.285		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

H7 is a specific protein kinase C inhibitor and protein kinase G inhibitor, which inhibits superoxide release from human neutrophils (PMN) stimulated with phorbol myristate acetate or synthetic diacylglycerol.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	2.0	5.49
DMSO	11.32	31.07
Ethanol	0.25	0.69
PBS (pH 7.2)	10.0	27.45
Water	36.43	100.0

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.75 mL	13.73 mL	27.45 mL
5 mM	0.55 mL	2.75 mL	5.49 mL
10 mM	0.27 mL	1.37 mL	2.74 mL
50 mM	0.06 mL	0.27 mL	0.55 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

Protein kinase inhibitor H-7 dihydrochloride is a potent PKC (protein kinase C) inhibitor.

In vitro activity

TBD

In vivo activity

TBD

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Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.