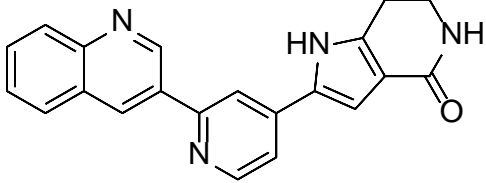


Product data sheet



MedKoo Cat#: 574788 Name: OUN11211 CAS: 724711-21-1 Chemical Formula: C ₂₁ H ₁₆ N ₄ O Exact Mass: 340.1324 Molecular Weight: 340.386	
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:

OUN11211, also known as MK2 Inhibitor III, is a potent, cell-permeable inhibitor of mitogen-activated protein kinase-activated protein kinase 2 (MAPKAP-K2 or MK-2) and can be used for the treatment of rheumatoid arthritis. It was first reported in J. Med. Chem. 2007, 50(11), 2647-2654. This product has no formal name at the moment. For the convenience of communication, a temporal code name was therefore proposed according to MedKoo Chemical Nomenclature (see web page: <https://www.medkoo.com/page/naming>).

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
DMSO	65.25	191.69

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.94 mL	14.69 mL	29.38 mL
5 mM	0.59 mL	2.94 mL	5.88 mL
10 mM	0.29 mL	1.47 mL	2.94 mL
50 mM	0.06 mL	0.29 mL	0.59 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:

MK2-IN-3 is a potent and selective inhibitor of MAPKAP-K2 (MK-2), with an IC₅₀ of 8.5 nM.

In vitro activity

TBD

In vivo activity

TBD

Product data sheet



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.