

Product data sheet



MedKoo Cat#: 525446 Name: KIN1400 CAS: 446826-86-4 Chemical Formula: C ₂₄ H ₁₇ F ₂ N ₃ O ₂ S Exact Mass: 449.101 Molecular Weight: 449.4758	
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:

KIN1400 is a novel IRF3 activator, triggering IRF3-dependent innate immune antiviral genes and IFNbeta307 expression, suppressing WNV, DV infection, and HCV replication.

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	30.0	66.74
DMSO	30.0	66.74
DMSO:PBS (pH 7.2) (1:2)	0.3	0.67
Ethanol	2.0	4.45

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.22 mL	11.12 mL	22.25 mL
5 mM	0.44 mL	2.22 mL	445 mL
10 mM	0.22 mL	1.11 mL	2.22 mL
50 mM	0.04 mL	0.22 mL	0.44 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:

KIN1400 is a novel IRF3 activator.

In vitro activity

TBD

In vivo activity

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TBD

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.