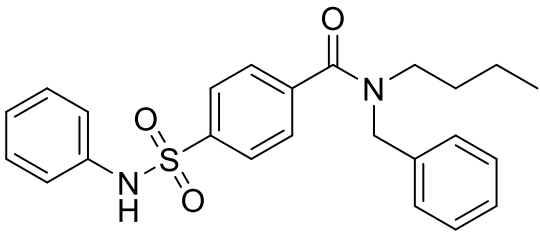


# Product data sheet



MedKoo Cat#: 555672 Name: TH257 CAS#: 2244678-29-1 Chemical Formula: C <sub>24</sub> H <sub>26</sub> N <sub>2</sub> O <sub>3</sub> S Exact Mass: 422.1664 Molecular Weight: 422.543	
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:

TH257 is a potent and selective allosteric LIMK 1/2 inhibitor.

## 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	42.25	100
Ethanol	42.25	100

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.37 mL	11.83 mL	23.67 mL
5 mM	0.47 mL	2.37 mL	4.73 mL
10 mM	0.24 mL	1.18 mL	2.37 mL
50 mM	0.05 mL	0.24 mL	0.47 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

N/A

In vivo study

N/A

## 7. Bioactivity

Biological target:

TH-257 is a potent inhibitor of LIMK1 and LIMK2 with IC<sub>50</sub> values of 84 nM and 39 nM for LIMK1 and LIMK2, respectively, and it can be used as a chemical probe for LIMK1 and LIMK2.

In vitro activity

N/A

In vivo activity

N/A

*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.*