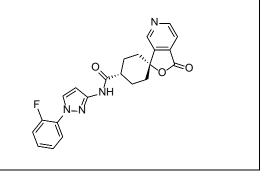
# **Product data sheet**



MedKoo Cat#: 525665	
Name: MK-0557	
CAS: 328232-95-7	
Chemical Formula: C <sub>22</sub> H	$H_{19}FN_4O_3$
Exact Mass: 406.1441	
Molecular Weight: 406.	1441
Product supplied as:	Powder
Purity (by HPLC):	$\geq 98\%$
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:

MK-0557 is a highly selective, orally administered neuropeptide NPY5R antagonist, could limit weight regain after very-low-calorie diet (VLCD)-induced weight loss. Neuropeptide Y (NPY) is a potent orexigenic neuropeptide, and antagonism of NPY Y1 and NPY Y5 receptors (NPYxR) is considered a potentially important anti-obesity drug target.

#### 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	5.0	12.30		
DMF:PBS (pH 7.2)	0.5	1.23		
(1:1)				
DMSO	101.5	249.91		

#### 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.46 mL	12.30 mL	24.61 mL
5 mM	0.49 mL	2.46 mL	4.92 mL
10 mM	0.25 mL	1.23 mL	2.46 mL
50 mM	0.05 mL	0.25 mL	0.49 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 stud	ŀ
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TBD

#### In vivo study

### TBD

### 7. Bioactivity

Biological target:

MK-0557 is a highly selective, orally available neuropeptide Y5 receptor antagonist with a  $K_i$  of 1.6 nM.

In vitro activity

TBD

In vivo activity

## **Product data sheet**



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.