

# Product data sheet



MedKoo Cat#: 318204 Name: Methsuximide CAS: 77-41-8 Chemical Formula: C <sub>12</sub> H <sub>13</sub> NO <sub>2</sub> Exact Mass: 203.0946 Molecular Weight: 203.241		
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:

Mesuximide is a succinimide anticonvulsant medication. It is sold as a racemate by Pfizer under the tradenames Petinutin and Celontin. The therapeutic efficacy of methosuximide is largely due to its pharmacologically active metabolite, N-desmethylmethosuximide, which has a longer half-life and attains much higher plasma levels than its parent.

## 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	25.0	123.01
DMSO	30.0	147.61
DMSO:PBS (pH 7.2) (1:40)	0.02	0.10
Ethanol	25.0	123.01

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	4.92 mL	24.60 mL	49.20 mL
5 mM	0.98 mL	4.92 mL	9.84 mL
10 mM	0.49 mL	2.46 mL	4.92 mL
50 mM	0.10 mL	0.49 mL	0.98 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:

Methsuximide is an anticonvulsant agent.

In vitro activity

TBD

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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.*