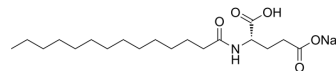


## Myristoyl glutamic acid sodium

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-126460A   |
| <b>CAS No.:</b>           | 38517-37-2   |
| <b>Molecular Formula:</b> | C <sub>19</sub> H <sub>34</sub> NNaO <sub>5</sub>  |
| <b>Molecular Weight:</b>  | 379.47   |
| <b>Target:</b>            | Bacterial  |
| <b>Pathway:</b>           | Anti-infection   |
| <b>Storage:</b>           | 4°C, sealed storage, away from moisture and light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 2.5 mg/mL (6.59 mM); ultrasonic and warming and heat to 60°C  
DMF : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

| Preparing Stock Solutions | Solvent Concentration | Mass      |            |            |
|---------------------------|-----------------------|-----------|------------|------------|
|                           |                       | 1 mg      | 5 mg       | 10 mg      |
|                           | 1 mM                  | 2.6353 mL | 13.1763 mL | 26.3525 mL |
|                           | 5 mM                  | 0.5271 mL | 2.6353 mL  | 5.2705 mL  |
|                           | 10 mM                 | ---       | ---        | ---        |

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 0.25 mg/mL (0.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 0.25 mg/mL (0.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 0.25 mg/mL (0.66 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Myristoyl glutamic acid sodium is a common ingredient in cosmetics/creams. Myristoyl glutamic acid sodium, a surfactant belonging to the amino acid, has mild cleaning properties and is also foamy and mildly bacteriostatic<sup>[1]</sup>.

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA