

N-Myristoylglycine, Endogenous brown fat-inducing lipid

Catalog	Unit
TBI3783-5MG	5 mg
TBI3783-25MG	25 mg

Product Details

Formal Name: N-Tetradecanoylglycine; 2-(Tetradecanoylamino)acetic acid

Alternate Names: N-(1-Oxotetradecyl)glycine; Myristoyl glycine; NSC 622050; Myr-Gly

Molecular Formula: C₁₆H₃₁NO₃

Formula Weight: 285.20

CAS Number: 14246-55-0

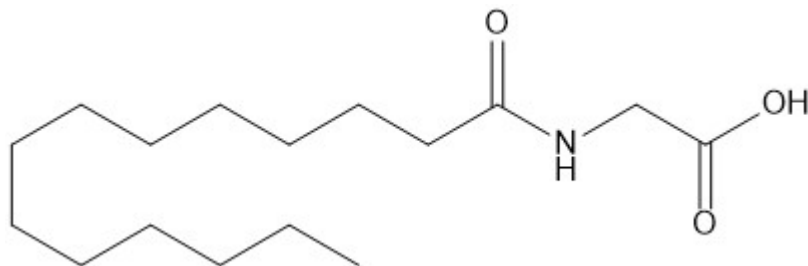
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO up to 45 mg/ml

Storage: -20°C

Stability: ≥ 2 years.



Applications

Endogenous brown fat-inducing lipid

Functions

Endogenous lipid which was found to differentiate adipocyte precursors and white-biased adipocytes into functional brown adipocytes. Blood plasma and urine biomarker of primary dysmenorrhea. A standard for analysis of N-terminal myristoylated peptides and proteins. Enzymatically produced in mammals from myristoyl-coenzyme A and glycine by acyl-CoA:glycine N-acyltransferase.

Application Procedures

First dissolved in DMSO up to 45 mg/ml, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.