

Catalog	Unit
TBI1297-20MG	20mg
TBI1297-100MG	100mg

Product Details

Formal Name: N-(2-hydroxyethyl)palmitamide

Alternate Names: PEA

Molecular Formula: C₁₈H₃₇NO₂

Formula Weight: 299.50

CAS Number: 544-31-0

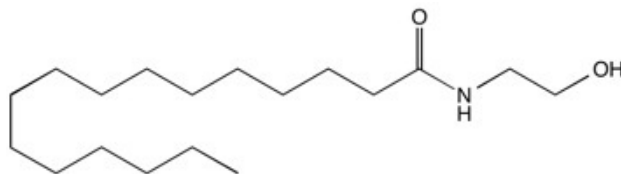
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

GPR55 agonist; endogenous cannabinoid

Functions

Endogenous cannabinoid. Weak ligand for CB1 (K_i=23.8 μM) and CB2 (K_i=13.9 μM) receptor. Selective agonist at GPR55. Inhibits expression of fatty acid amide hydrolase (FAAH). Displays immunosuppressant and anti-inflammatory activity and reduces granuloma-induced hyperalgesia.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in water may be stored at -20°C for up to 3 months.

For research use only.