

2-Bromopalmitic acid, Palmitoylation inhibitor

Catalog	Unit
TBI3284-500MG	500 mg
TBI3284-2G	2 g

Product Details

Formal Name: 2-Bromohexadecanoic acid (racemic)

Alternate Names: 2-BP

Molecular Formula: C₁₆H₃₁BrO₂

Formula Weight: 335.23

CAS Number: 18263-25-7

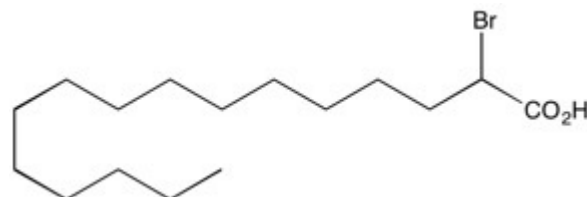
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 75 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

Palmitoylation inhibitor

Functions

Inhibits protein S-palmitoylation. Blocks palmitic acid-induced increase in cAMP levels in human primary melanocytes expressing the melanocortin-1 receptor which undergoes an essential palmitoylation as a prerequisite for receptor signaling.

Application Procedures

First dissolved in DMSO (up to 75 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.