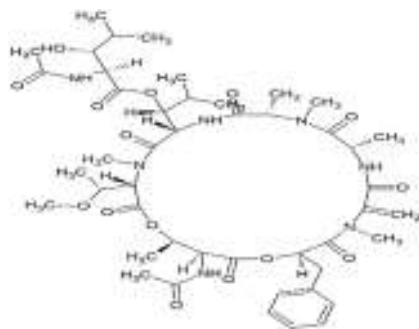


YM-254890

ALTERNATE NAME: N-acetyl-L-threonyl-(αR)-α-hydroxybenzenepropanoyl-2,3-didehydro-N-methylalanyl-L-alanyl-N-methyl-L-alanyl-(3R)-3-[[[(2S,3R)-2-(acetylamino)-3-hydroxy-4-methyl-1-oxopentyl]oxy]-L-leucyl-N,O-dimethyl-L-threonine(7→1)-lactone

CATALOG #: B3393-100 100 µg

STRUCTURE:



MOLECULAR FORMULA: C₄₆H₆₉N₇O₁₅

MOLECULAR WEIGHT: 960.09

CAS NUMBER: 568580-02-9

APPEARANCE: Clear lyophilized film

PURITY: ≥95% by HPLC

SOLUBILITY: >8 mg/ml DMSO

DESCRIPTION: YM-254890 is a cyclic decapeptide that acts as a Gα-protein inhibitor. It potently inhibits Gq/11 heterotrimeric G protein signaling. Inhibits ATP/UTP-induced Ca²⁺ increase in HCAE cells expressing P2Y2 receptor (IC₅₀ = 50 nM); carbachol-induced production of IP1 in CHO cells expressing M1 receptor (IC₅₀ = 95 nM); and ADP-induced Ca²⁺ increase in platelets, in vitro (IC₅₀ = 2 µM).

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Anti-BAR2 Antibody (S261) (A1057)
Anti-CXCR-7 Antibody (A1066)
2-Arachidonoylglycerol (B2992)
ONC212 (B2950)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*