

Muramyl Dipeptide

ALTERNATE NAME: Ac-muramyl-Ala-D-Isogln-OH
MDP
N-Acetylmuramoyl-L-alanyl-D- α -glutamine

CATALOG #: B2532-1 1 mg
B2532-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{19}H_{32}N_4O_{11}$

MOLECULAR WEIGHT: 492.48

CAS NUMBER: 53678-77-6

APPEARANCE: White lyophilized solid

PURITY: $\geq 98\%$ by HPLC

SOLUBILITY: >40 mg/ml Water

DESCRIPTION: Muramyl dipeptide is a synthetic immunoreactive peptide that activates NOD2 receptors. Induces polarization of proinflammatory Ly6Chigh into Ly6Clow patrolling monocytes. Also inhibits HIV replication in CD4⁺ H9 lymphocytes.

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:

ML-130 (1974)
GSK-583 (B1301)
Talabostat mesylate (B2061)

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