
Trimethylamine N-oxide

产品编号: D51439

CAS: 1184-78-7

分子式: C₃H₉NO

纯度: ≥98%

InChi: InChi=1S/C₃H₉NO/c1-4(2,3)5/h1-3H3

InChi Key: UYPYRKYUKCHHIB-UHFFFAOYSA-N

Smiles: C[N⁺](C)(C)[O⁻]

外观: 固体粉末

作用通路: Endogenous Metabolite

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Trimethylamine N-oxide is a gut microbe-dependent metabolite of dietary choline and other trimethylamine-containing nutrients. Trimethylamine N-oxide induces inflammation by activating the ROS/NLRP3 inflammasome. Trimethylamine N-oxide also accelerates fibroblast-myofibroblast differentiation and induces cardiac fibrosis by activating the TGF-β/smad2 signaling pathway.