
Product Data Sheet

Product Name: RADA
 Cat. No.: GC50535

Chemical Properties

Cas. No.

SMILES N[C@@H](C(O)=O)CNC(C)=O.C/[N+](C)=C1C=C2OC(C=C(N(C)C)C=C3)=C3C(C4=C(C([O-])=O)C=CC=C4)=C2C=C/1

Formula C₂₈H₂₈N₄O₆ M.Wt 516.55

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Orange-red TAMRA-based fluorescent D-amino acid. Suitable for labeling peptidoglycans in live bacteria. Incorporated into bacterial cell walls during synthesis. Suitable for prolonged exposure due to red-shift photophysical properties. Suitable for dSTORM and reSTORM. Displays good water solubility, photostability and thermostability.

Excitation/emission λ ~554/580 nm. This product is supplied as a TFA salt, the stoichiometry of which is batch dependant. Please refer to the Certificate of Analysis to obtain the batch specific Net Product Content,

Hsu et al (2017) Full color palette of fluorescent d-amino acids for in situ labeling of bacterial cell walls. Chem.Sci. 8 6313 PMID:28989665 |García-Heredia et al (2018) Peptidoglycan precursor synthesis along the sidewall of pole-growing mycobacteria. Elife 7 pii: e37243. PMID:30198841 |Fenton et al (2017) Erratum: CozE is a member of the MreCD complex that directs cell elongation in Streptococcus pneumoniae. Nat.Microbiol. 2 17011 PMID:28112724

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
