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**Product Data Sheet**


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Product Name: 6 TMR Tre

Cat. No.: GC50575

**Chemical Properties**

Cas. No.

SMILES [H][C@]1([C@H](O)[C@@H](O)[C@H](O)[C@@H](CO)O1)O[C@@H]2[C@H](O)[C@@H](O)[C@H](O)[C@@H](CNC(C3=CC(C([O-])=O)=C(C4=C(C=C/5)C(OC6=C4C=CC(N(C)C)=C6)=CC5=[N+](C)/C)C=C3)=O)O2

Formula C<sub>37</sub>H<sub>43</sub>N<sub>3</sub>O<sub>14</sub>

M.Wt

753.75

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**

Fluorescent trehalose conjugate for imaging bacterial cell envelope. Selectively labels mycobacterial trehalose monomycolate (TMM). Allows real-time visualization of peptidoglycan and monomycolate dynamics at the single-cell level. Suitable for use with confocal and super-resolution microscopy.

Rodriguez-Rivera et al (2018) Acute modulation of mycobacterial cell envelope biogenesis by front-line tuberculosis drugs. *Angew.Chem.Int.Ed.* 57 5267 PMID:29392891

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

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