
Product Data Sheet

Product Name: CH1055
Cat. No.: GC64596

Chemical Properties

Cas. No. 1622250-38-7

Formula C₅₄H₄₄N₆O₈S₂ M.Wt 969.09

Solubility 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

CH1055 is a NIR-II fluorophore based on a synthetic 970-Da organic molecule. CH1055 is a rapidly excreted dye (~90% excreted through the kidneys within 24 h). CH1055 also allows targeted molecular imaging of tumors in vivo when conjugated with anti-EGFR Affibody[1].

[1]. Antaris AL, et al. A small-molecule dye for NIR-II imaging. Nat Mater. 2016;15(2):235-242.

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

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