

Product Data Sheet

Product Name: CAY10733

Cat. No.: GC40030

Chemical Properties

Cas. No. 1043865-37-7

SMILES O=C(C1=C2C=CC=C1)OC32C4=C(C=C(OCC=C)C(Cl)=C4)OC5=C3C=C(Cl)C(OCC=C)=C5

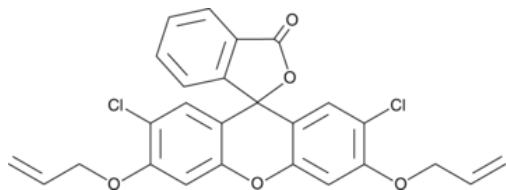
Formula C₂₆H₁₈Cl₂O₅ M.Wt 481.3

Solubility DMF: 14 mg/ml, DMSO: 3 mg/ml Storage Store at -20°C

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

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

Structure



Background

CAY10733 is a fluorescent probe for the detection of carbon monoxide. In the presence of palladium (Pd) and carbon monoxide, CAY10733 undergoes the Pd⁰-mediated Tsuji-Trost reaction to release 2,7-dichlorofluorescein, and its fluorescence can be used to detect carbon monoxide production in vitro and in live cells. 2,7-Dichlorofluorescein displays excitation/emission maxima of 493/527 nm, respectively.

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

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