

Product Data Sheet

Product Name: CAY10455

Cat. No.: GC43157

Chemical Properties

Cas. No. 290374-09-3

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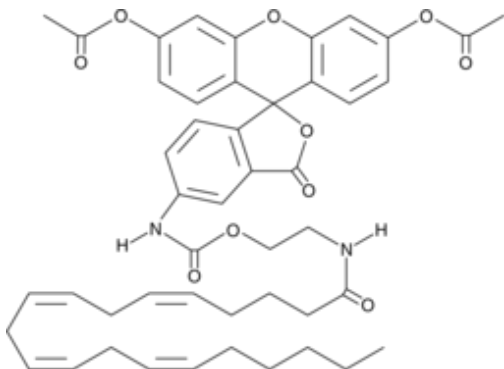
Formula C₄₇H₅₂N₂O₁₀ M.Wt 804.9

Solubility DMF: 5 mg/ml, DMSO: 5 mg/ml, Ethanol: 5 mg/ml, Ethanol: PBS (pH 7.2) (1:1): .5 mg/ml
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

CAY10455 is a labeled analog of arachidonoyl ethanolamide (anandamide; AEA) that is non-fluorescent when outside the cell. Upon transport into the cell interior, it is cleaved by esterases to give a bright fluorescence at 530 nm. CAY10455 uptake into C6 glioma cells is inhibited by AEA and its analogs, and conversely CAY10455 inhibits the uptake of tritiated AEA, indicating that they compete for the AEA transporter.

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

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