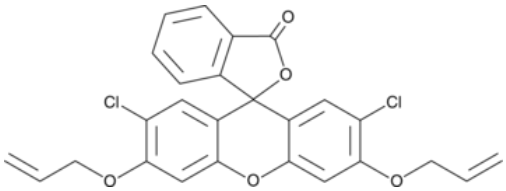
Product Data Sheet

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 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

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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