4-[3-(Trifluoromethyl)diazirin-3-yl] benzoic acid N-hydroxysuccinimide ester

Cat. No.: HY-147116

CAS No.: 87736-89-8

Molecular Formula: $C_{13}H_8F_3N_3O_4$

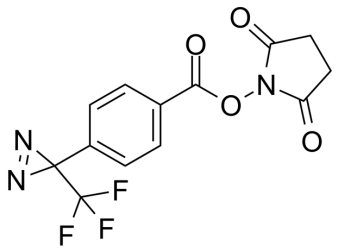
Molecular Weight: 327.22

Target: Biochemical Assay Reagents

Pathway: Others

Storage: -20°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (305.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.0560 mL	15.2802 mL	30.5605 mL
	5 mM	0.6112 mL	3.0560 mL	6.1121 mL
	10 mM	0.3056 mL	1.5280 mL	3.0560 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-[3-(Trifluoromethyl)diazirin-3-yl] benzoic acid N-hydroxysuccinimide ester is a photoactivated bifunctional cross-linker. 4-[3-(Trifluoromethyl)diazirin-3-yl] benzoic acid N-hydroxysuccinimide ester can be used for researching a strategy of rapid and accurate structure generation in support of antigen engineering programs[1].

REFERENCES

[1]. Ziemianowicz DS, et al. Photo-Cross-Linking Mass Spectrometry and Integrative Modeling Enables Rapid Screening of Antigen Interactions Involving Bacterial

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA