Fmoc-Ala-Ala-OH

Cat. No.: HY-W048825

CAS No.: 87512-31-0

Molecular Formula: $C_{21}H_{22}N_2O_5$

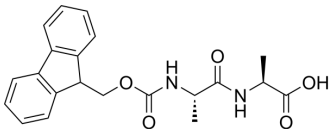
Molecular Weight: 382.41

Target: Amino Acid Derivatives

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (32.69 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6150 mL	13.0750 mL	26.1499 mL
	5 mM	0.5230 mL	2.6150 mL	5.2300 mL
	10 mM	0.2615 mL	1.3075 mL	2.6150 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: ≥ 1.25 mg/mL (3.27 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1.25 mg/mL (3.27 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1.25 mg/mL (3.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fmoc-Ala-Ala-OH (3) is a self-assemble fluorenylmethoxycarbonyl-dipeptide, which is a smaller amphiphilic building blocks consists dipeptides linked to fluore nylmethoxycarbonyl (Fmoc). Fmoc-Ala-Ala-OH can be used as scaffold materials in 3D cell culture[1].

REFERENCES

[1]. V. Jayawarna, et al. Nanostructured Hydrogels for Three-Dimensional Cell Culture Through Self-Assembly of Fluorenylmethoxycarbonyl–Dipeptides[J]. Advanced materials.2006 Mar 02.

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