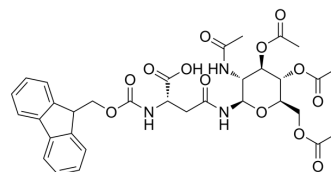


## Fmoc-L-Asn(beta-D-GlcNAc(Ac)3)-OH

<b>Cat. No.:</b>	HY-141464		
<b>CAS No.:</b>	131287-39-3		
<b>Molecular Formula:</b>	C <sub>33</sub> H <sub>37</sub> N <sub>3</sub> O <sub>13</sub>		
<b>Molecular Weight:</b>	683.66		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 125 mg/mL (182.84 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.4627 mL	7.3136 mL	14.6272 mL
		5 mM	0.2925 mL	1.4627 mL	2.9254 mL
10 mM		0.1463 mL	0.7314 mL	1.4627 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.04 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.04 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Fmoc-L-Asn(beta-D-GlcNAc(Ac)3)-OH (Fmoc-Asn(Ac3AcNH-beta-Glc)-OH) can be used in the synthesis of silicon-fluoride acceptor (SiFA) derivatized octreotate derivatives. SiFA-octreotate analogues, as tumor imaging agents, are useful tool for the research of positron emission tomography (PET) <sup>[1]</sup> .
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### REFERENCES

[1]. Wängler C, et al. One-step <sup>18</sup>F-labeling of carbohydrate-conjugated octreotate-derivatives containing a silicon-fluoride-acceptor (SiFA): in vitro and in vivo evaluation as tumor imaging agents for positron emission tomography (PET). *Bioconjug Chem.* 2010;21(12):2289-2296.

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

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