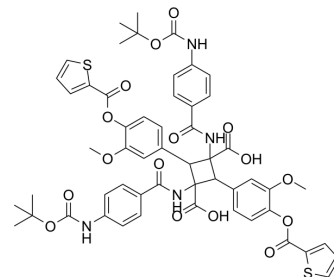


## Boc5

<b>Cat. No.:</b>	HY-135195
<b>CAS No.:</b>	917569-14-3
<b>Molecular Formula:</b>	C <sub>54</sub> H <sub>52</sub> N <sub>4</sub> O <sub>16</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	1077.14
<b>Target:</b>	GLP Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	Boc5 is a non-peptidic glucagon-like peptide-1 receptor agonist. Boc5 causes sustained glycemic control and weight loss in diabetic mice. Boc5 can be used in research of diabetic <sup>[1][2]</sup> .	
In Vivo	Boc5 (0.1-3 mg/mice; i.p.; diabetic db/db mice) has antidiabetic activity and invokes a dose-dependent improvement in glycemic control <sup>[1]</sup> .	
	Boc5 (0.1-3 mg/mice; i.p.; diabetic db/db mice) has antiobesity activity and decreases weight in diabetic mice <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	diabetic db/db mice <sup>[1]</sup>
	Dosage:	0.1-3 mg/mice
	Administration:	Intraperitoneal injection
	Result:	Had a dose-dependent fall of up to 14.6 mM glucose, and an ED <sub>50</sub> of 0.87 mg/day.
	Animal Model:	diabetic db/db mice <sup>[1]</sup>
	Dosage:	0.1-3 mg/mice
	Administration:	Intraperitoneal injection
	Result:	Decreased fat as a percent of total body mass in a dose-dependent manner.

## REFERENCES

[1]. Su H, et, al. Boc5, a non-peptidic glucagon-like Peptide-1 receptor agonist, invokes sustained glycemic control and weight loss in diabetic mice. PLoS One. 2008 Aug 6;3(8):e2892.

[2]. He M, et, al. A continued saga of Boc5, the first non-peptidic glucagon-like peptide-1 receptor agonist with in vivo activities. Acta Pharmacol Sin. 2012 Feb;33(2):148-54.

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

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