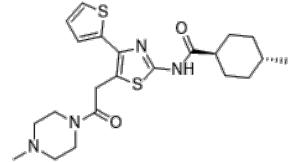


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<b>Product Name</b>	: GPR81 agonist 1
<b>Cat. No.</b>	: PC-25930
<b>CAS No.</b>	: 1620992-67-7
<b>Molecular Formula</b>	: C <sub>22</sub> H <sub>30</sub> N <sub>4</sub> O <sub>2</sub> S <sub>2</sub>
<b>Molecular Weight</b>	: 446.63
<b>Target</b>	: Other Targets
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

GPR81 agonist 1 is a potent and highly selective GPR81 agonist with EC<sub>50</sub> of 58 nM and 50 nM for human and mouse GPR81 respectively, also is an agonist-positive allosteric modulator (Ago-PAM) for HCAR1.

GPR81 agonist 1 displays remarkable selectivity for GPR81 over GPR109a.

GPR81 agonist 1 inhibits lipolysis in differentiated 3T3-L1 adipocytes.

GPR81 agonist 1 suppresses lipolysis in mice without cutaneous flushing.

## References

Sakurai T, et al. Eur J Pharmacol. 2014;727:1-7.

Lind S, et al. Br J Pharmacol. 2025 Dec 23. doi: 10.1111/bph.70312.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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