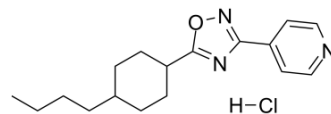


## PSN 375963 hydrochloride

Cat. No.:	HY-108258A
CAS No.:	1781834-82-9
Molecular Formula:	C <sub>17</sub> H <sub>24</sub> ClN <sub>3</sub> O
Molecular Weight:	321.84
Target:	GPR119
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

PSN 375963 hydrochloride is a potent GPR119 agonist, with EC<sub>50</sub>s of 8.4 and 7.9 μM for human and mouse GPR119, respectively. PSN 375963 hydrochloride shows similar potency to the endogenous agonist oleoylethanolamide (OEA)<sup>[1][2]</sup>.

### REFERENCES

[1]. Overton HA, et al. Deorphanization of a G protein-coupled receptor for oleoylethanolamide and its use in the discovery of small-molecule hypophagic agents. *Cell Metab.* 2006;3(3):167-175.

[2]. Ning Y, et al. Endogenous and synthetic agonists of GPR119 differ in signalling pathways and their effects on insulin secretion in MIN6c4 insulinoma cells. *Br J Pharmacol.* 2008;155(7):1056-1065.

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

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