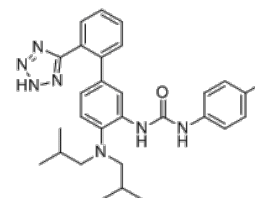

Product Name	: PCC0208009
Cat. No.	: PC-38081
CAS No.	: 1668565-74-9
Molecular Formula	: C ₂₉ H ₃₅ N ₇ O
Molecular Weight	: 497.647
Target	: Indoleamine 2,3-Dioxygenase (IDO)
Solubility	: 10 mM in DMSO



Biological Activity

PCC0208009 is a novel **indoleamine 2,3-dioxygenase (IDO)** inhibitor with IC₅₀ of 4.52 nM at the cellular level. PCC0208009 is a highly effective IDO inhibitor, not only directly inhibiting IDO activity but also participating in the gene regulation of IDO expression at the transcription and translation levels. PCC0208009 significantly enhanced the anti-tumor effects of temozolomide in GL261 and C6 models, by increasing the percentages of CD3⁺, CD4⁺, and CD8⁺ T cells within tumors and suppressing tumor proliferation. PCC0208009 alleviates neuropathic pain and co-morbidities by regulating synaptic plasticity of ACC and amygdala.

References

- Sun S, et al. *Int J Immunopathol Pharmacol*. 2018 Jan-Dec;32:2058738418787991.
Wang Y, et al. *Biochem Pharmacol*. 2020 Jul;177:113926.

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

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