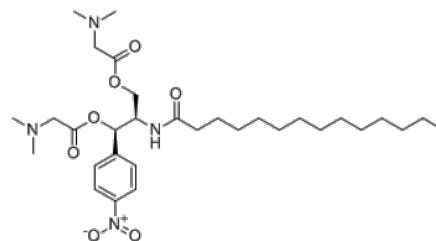


Product Name : LCL521
Cat. No. : PC-38779
CAS No. : 1226851-11-1
Molecular Formula : C₃₁H₅₂N₄O₇
Molecular Weight : 592.778
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

LCL521 is a small molecular inhibitor of **acid ceramidase** (ACDase), a lysosomotropic inhibitor with anticancer activity. LCL521 targets lysosomes and increases total cellular C16 ceramide level, significantly decreased myeloid-derived suppressor cell (MDSC) accumulation in vivo. LCL521 enhances the direct tumor cell killing effect of photodynamic therapy (PDT) treatment.

References

- Bai A, et al. *Bioorg Med Chem*. 2014 Dec 15;22(24):6933-44.
Korbely M, et al. *Int J Cancer*. 2016 Sep 15;139(6):1372-8.
Liu F, et al. *Oncotarget*. 2016 Dec 20;7(51):83907-83925.
Bai A, et al. *PLoS One*. 2017 Jun 14;12(6):e0177805.

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

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