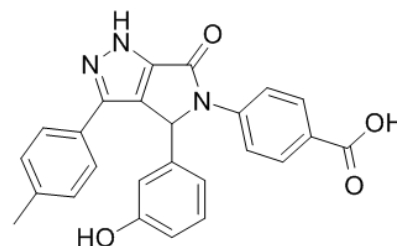


Product Name : CID-16020046
Cat. No. : PC-45043
CAS No. : 834903-43-4
Molecular Formula : C₂₅H₁₉N₃O₄
Molecular Weight : 425.4361
Target : GPR55
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

CID16020046 is a potent and selective **GPR55** antagonist with IC₅₀ of 0.15 μM.

CID16020046 significantly inhibits the LPI-induced ERK1/2 phosphorylation in HEK-GPR55 cells at 2.5 μM, concentration dependently inhibits LPI-induced activation of NFAT, NF-κB and serum response element, translocation of NFAT and NF-κB, and GPR55 internalization.

CID16020046 reduces LPI-induced wound healing in primary human lung microvascular endothelial cells and reverses LPI-inhibited platelet aggregation.

References

Kargl J, et al. *J Pharmacol Exp Ther*. 2013 Jul;346(1):54-66.

Kargl J, et al. *Br J Pharmacol*. 2016 Jan;173(1):142-54.

Montecucco F, et al. *Thromb Haemost*. 2016 Oct 28;116(5):987-997.

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

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