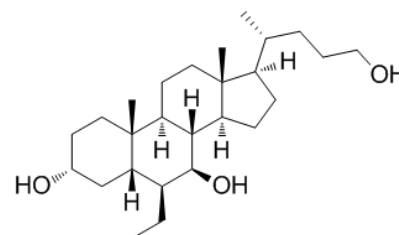


Product Name : BAR501
Cat. No. : PC-42345
CAS No. : 1632118-69-4
Molecular Formula : C₂₆H₄₆O₃
Molecular Weight : 406.64164
Target : TGR5 (GPCR19, GPR131, GPBAR1)
Solubility : DMSO: 10 mM



Biological Activity

BAR501 is a potent, selective **GPBAR1 (GPCR19, TGR5)** agonist devoid of any FXR agonistic activity, effectively transactivates GPBAR1 in HEK293 cells with EC₅₀ of 1 uM.

BAR501 effectively reduces hepatic perfusion pressure and counteracts the vasoconstriction activity of norepinephrine in rats, effectively protects against development of endothelial dysfunction by increasing liver CSE expression and activity and by reducing endothelin (ET)-1 gene expression in CCl₄ models.

References

Renga B, et al. *PLoS One*. 2015 Nov 5;10(11):e0141082.

Biagioli M, et al. *J Immunol*. 2017 Jul 15;199(2):718-733.

Carino A, et al. *Sci Rep*. 2017 Oct 20;7(1):13689.

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

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