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Data Sheet

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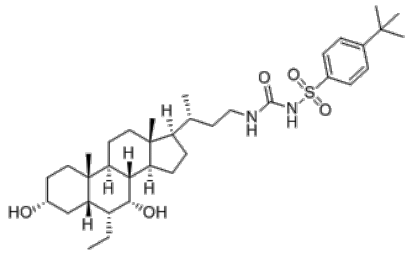
Product Name	:	EDP-305
Cat. No.	:	PC-38044
CAS No.	:	1933507-63-1
Molecular Formula	:	$C_{36}H_{58}N_2O_5S$
Molecular Weight	:	630.93
Target	:	Farnesoid X Receptor (FXR)
Solubility	:	10 mM in DMSO



Biological Activity

EDP-305 (EDP305) is a potent, selective, nonbile acid **farnesoid X receptor (FXR)** agonist with EC50 of 34 nM, shows antifibrotic effect.
EDP-305 displays antifibrotic effect in rodent models of cholestatic and fatty liver injury: bile duct ligation (BDL) in rats and choline-deficient, L-amino acid-defined, high-fat diet (CDAHFD) in mice.
EDP-305 dose-dependently decreases macrophage infiltration and proinflammatory cytokine gene expression.
EDP-305 also dose-dependently reduces interstitial fibrosis and kidney hydroxyproline levels.
EDP-305 decreases TGF-β1-induced YAP nuclear localization in human kidney 2 cells by increasing inhibitory YAP phosphorylation.
EDP-305 reduces interstitial renal fibrosis in a mouse model of unilateral ureteral obstruction.

References

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Li S, et al. FASEB J. 2019 Jun;33(6):7103-7112.

An P, et al. Liver Int. 2020 Jul;40(7):1655-1669.

Ratziu V, et al. J Hepatol. 2022 Mar;76(3):506-517.

E-mail: tech@probechem.com