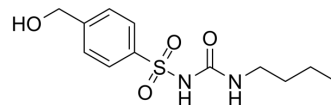


4-Hydroxytolbutamide

Cat. No.:	HY-100641
CAS No.:	5719-85-7
Molecular Formula:	C ₁₂ H ₁₈ N ₂ O ₄ S
Molecular Weight:	286.35
Target:	Potassium Channel; Autophagy
Pathway:	Membrane Transporter/Ion Channel; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	4-Hydroxytolbutamide (Hydroxytolbutamide) is a metabolite of Tolbutamide. 4-Hydroxytolbutamide is metabolized by CYP2C8 and CYP2C9. Tolbutamide is a first generation potassium channel blocker and a sulfonylurea oral antidiabetic ^{[1][2]} .
IC ₅₀ & Target	Potassium channel

REFERENCES

[1]. Hansen LL, et al. Quantitative determination of tolbutamide and its metabolites in human plasma and urine by high-performance liquid chromatography and UV detection. *Ther Drug Monit.* 1999 Dec;21(6):664-71.

[2]. Yuan R, et al. Evaluation of cytochrome P450 probe substrates commonly used by the pharmaceutical industry to study in vitro drug interactions. *Drug Metab Dispos.* 2002 Dec;30(12):1311-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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