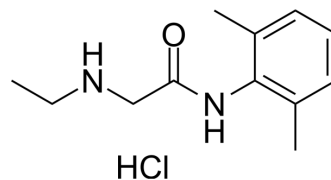


Monoethylglycinexylidide hydrochloride

Cat. No.:	HY-W099331
CAS No.:	7729-94-4
Molecular Formula:	C ₁₂ H ₁₉ ClN ₂ O
Molecular Weight:	242.75
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description

Monoethylglycinexylidide (MEGX) hydrochloride is a metabolite of Lidocain (HY-B0185) via oxidative N-deethylation of Lignocaine by liver cytochrome P-450 enzymes in the liver. Monoethylglycinexylidide has proven to be a highly sensitive indicator of hepatic dysfunction, especially in the field of liver transplantation^{[1][2]}.

REFERENCES

[1]. Huang YS, et al. Measuring lidocaine metabolite--monoethylglycinexylidide as a quantitative index of hepatic function in adults with chronic hepatitis and cirrhosis. *J Hepatol.* 1993 Aug;19(1):140-7.

[2]. Esen F, et al. Monoethylglycinexylidide (MEGX) as an early predictor of liver dysfunction in severe sepsis. *Critical Care*, 1997, 1(Suppl 1):P083.

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

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