Product Data Sheet

Chloroprocaine

Cat. No.: HY-B1604A CAS No.: 133-16-4

 $\label{eq:molecular Formula: C13H19ClN2O2} \textbf{Molecular Formula:} \qquad \textbf{C}_{13}\textbf{H}_{19}\textbf{ClN}_{2}\textbf{O}_{2}$

Molecular Weight: 270.76

Target: Na+/K+ ATPase

Pathway: Membrane Transporter/Ion Channel

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

BIOLOGICAL ACTIVITY

Description	Chloroprocaine (2-Chloroprocaine) is a potent inhibitor of Na,K-ATPase activity with an IC $_{50}$ of 13 mM. Chloroprocaine blocks peripheral nerve $^{[1]}$.
IC ₅₀ & Target	IC50: 13 mM (Na,K-ATPase) ^[1]
In Vivo	In mice, the intravenous LD_{50} of Chloroprocaine HCl is 97 mg/kg and the subcutaneous LD_{50} of Chloroprocaine HCl is 950 mg/kg ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. H Kutchai, et al. Inhibition of the Na,K-ATPase of Canine Renal Medulla by Several Local Anesthetics. Pharmacol Res. 2001 Apr;43(4):399-403.

[2]. Chloroprocaine HCl Injection.

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

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