Trimethobenzamide

Cat. No.: HY-12751

CAS No.: 138-56-7

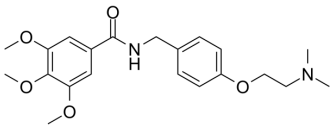
Molecular Formula: $C_{21}H_{28}N_2O_5$

Molecular Weight: 388.46

Target: Dopamine Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

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



BIOLOGICAL ACTIVITY

Description	Trimethobenzamide (Ro 2-9578 free base) is a blocker of the D_2 receptor. Trimethobenzamide is an antiemetic used to prevent nausea and vomiting[1].
IC_{50} & Target	D_2 receptor[1]
In Vitro	Trimethobenzamide is a (non-phenothiazine) benzamide antiemetic that acts centrally to block D2 receptors, thereby inhibiting the medullary chemoreceptor trigger zone by blocking emetic impulses to the vomiting center[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	The oral bioavailability of Trimethobenzamide is 60% to 100%. The time to peak is about 45 minutes after oral administration and; Intramuscular (I.M.) administration about 30 minutes after intramuscular administration[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Smith HS, et al. Dopamine receptor antagonists. Ann Palliat Med. 2012 Jul;1(2):137-42.

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