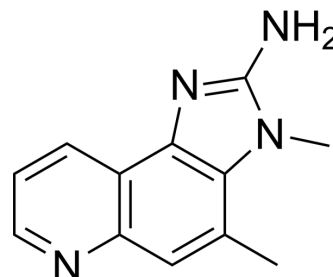


Me-IQ

Cat. No.:	HY-141638
CAS No.:	77094-11-2
Molecular Formula:	C ₁₂ H ₁₂ N ₄
Molecular Weight:	212.25
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Me-IQ (Methyl-IQ), an orally active heterocyclic amine, is carcinogenic and mutagenic. Me-IQ is several hundred-fold more mutagenic in liver than in lung microsomal preparations from uninduced mice and rabbits ^{[1][2]} .
In Vitro	Me-IQ (Methyl-IQ; diet containing 0.04% or 0.01%) causes squamous cell carcinomas and papillomas of the forestomach to develop at high incidences in mice. About 40% of the squamous cell carcinomas induced in the forestomach by 0.04% MeIQ metastasized to the liver ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. H Ohgaki, et al. Carcinogenicities in mice and rats of IQ, MeIQ, and MeIQx. Princess Takamatsu Symp. 1985;16:97-105.
- [2]. T Aune, et al. Mutagenic activation of IQ and Me-IQ by liver and lung microsomes from rabbit and mouse, and with isolated lung cells from the rabbit. Carcinogenesis. 1986 Feb;7(2):273-6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA