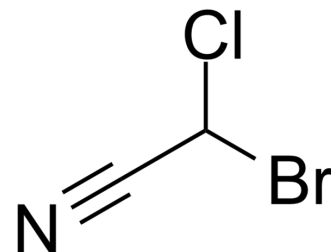


Bromochloroacetonitrile

Cat. No.:	HY-133646
CAS No.:	83463-62-1
Molecular Formula:	C ₂ HBrClN
Molecular Weight:	154.39
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bromochloroacetonitrile is a by-product of the chlorine disinfection of water containing natural organic material. Bromochloroacetonitrile possesses direct acting mutagenic activity and is capable of inducing DNA strand breakage ^[1] .
In Vitro	Bromochloroacetonitrile (BCAN) induces sister chromatid exchange in Chinese hamster ovary cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Suzanne A. et al. The developmental toxicity of bromochloroacetonitrile in pregnant long-evans rats, International Journal of Environmental Health Research, 5:2, 175-188.

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