N-Bromoacetamide

Cat. No.: HY-131899

CAS No.: 79-15-2

Molecular Formula: C_2H_4BrNO

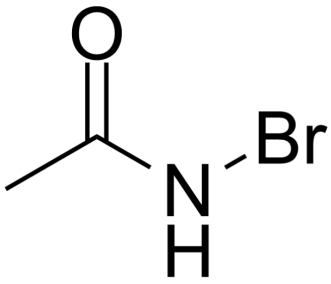
Molecular Weight: 137.96

Target: Potassium Channel; Sodium Channel

Pathway: Membrane Transporter/Ion Channel

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (724.85 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	7.2485 mL	36.2424 mL	72.4848 mL
5 mM	1.4497 mL	7.2485 mL	14.4970 mL
10 mM	0.7248 mL	3.6242 mL	7.2485 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-Bromoacetamide can irreversibly remove sodium channel inactivation in the cytoplasmic face of the membrane, also decreasing K current rapid inactivation[1][2].

IC_{50} & Target

Sodium channel, Potassium channel[1][2]

REFERENCES

[1]. Matteson DR, et al. Modification of K channel inactivation by papain and N-bromoacetamide. Biophys J. 1988;53(4):641-645.

[2]. Patlak J, et al. Effect of N-bromoacetamide on single sodium channel currents in excised membrane patches. J Gen Physiol. 1982;79(3):333-351.

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