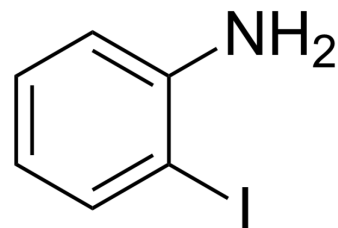


2-Iodoaniline

Cat. No.: HY-W007318
 CAS No.: 615-43-0
 Molecular Formula: C₆H₆IN
 Molecular Weight: 219.02
 Target: Others
 Pathway: Others
 Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (456.58 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.5658 mL	22.8290 mL	45.6579 mL
	5 mM		0.9132 mL	4.5658 mL	9.1316 mL
	10 mM		0.4566 mL	2.2829 mL	4.5658 mL

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

BIOLOGICAL ACTIVITY

Description

2-Iodoaniline (2-Iodophenylamine) is an aniline derivative, and has potential hepatotoxic and nephrotoxic activity^[1].

In Vivo

2-Iodoaniline (1.0 mM/kg, 1.25 mM/kg for 2.5 mL; i.p.; single dose) exhibits hepatotoxic and nephrotoxic potential in Male Fischer 344 rats^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male Fischer 344 rats (185-260 g) ^[1]
Dosage:	1.0 mM/kg, 1.25 mM/kg for 2.5 mL
Administration:	Intraperitoneal injection; single dose; monitored renal and hepatic function 24 h after treatment
Result:	Induced oliguria, diminished kidney weight, tubular casts and decreased renal cortical slice accumulation of organic anions. Elevated plasma ALT/GPT activity and altered morphology in the centrilobular region.

REFERENCES

[1]. Valentovic MA, et al. Acute renal and hepatic toxicity of 2-haloanilines in Fischer 344 rats. Toxicology. 1992 Nov 1;75(2):121-31.

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