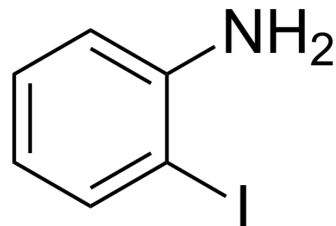


## 2-Iodoaniline

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-W007318   |
| CAS No.:           | 615-43-0   |
| Molecular Formula: | C <sub>6</sub> H <sub>6</sub> IN   |
| Molecular Weight:  | 219.02   |
| Target:            | Others   |
| Pathway:           | Others   |
| Storage:           | 4°C, protect from light<br>* 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)

| Preparing Stock Solutions | Solvent       |  | Mass      |            |            |
|---------------------------|---------------|--|-----------|------------|------------|
|                           | Concentration |  | 1 mg      | 5 mg       | 10 mg      |
|                           | 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<sup>[1]</sup>.

#### 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<sup>[1]</sup>.

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

|                 |  |
|-----------------|--|
| Animal Model:   | Male Fischer 344 rats (185-260 g) <sup>[1]</sup>   |
| 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.<br>Elevated plasma ALT/GPT activity and altered morphology in the centrilobular region. |

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## REFERENCES

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[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.

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

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