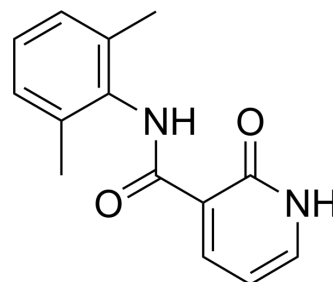


## Isonixin

<b>Cat. No.:</b>	HY-105579
<b>CAS No.:</b>	57021-61-1
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	242.27
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Isonixin (Isonixine) is a non-steroidal compound. Isonixin can be used for the research of pain and inflammation <sup>[1][2][3][4]</sup> .
<b>In Vivo</b>	<p>Isonixine potentiates hexobarbital sleep time, reduces motor activity, antagonizes carbiazol-induced convulsions, causes hyperthermia, and inhibits tremorine-induced trembling in mice<sup>[1]</sup>.</p> <p>Isonixine (p.o.) shows a 3.15 h half-life of absorption and rapidly absorbs in a gastro-intestinal tract<sup>[2]</sup>.</p> <p>Isonixine (i.v., intragastrically and intraduodenally) mainly excrets via urine, and isonixine can be eliminated by urine within 50 hours<sup>[3]</sup>.</p> <p>Isonixine (2000 mg/kg; p.o. once daily for 6 months) presents some mild toxic effects and induces no gastrointestinal lesion in male rabbits and rats<sup>[4]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

- [1]. Mitjavila MT, Martorell M. Algunos efectos de la isonixina sobre el sistema nervioso central [Various effects of isonixine on the central nervous system]. Arch Farmacol Toxicol. 1979 Dec;5(3):183-4.
- [2]. Carrera G, et al. Studies of absorption, distribution and excretion of 2,6-xylidide of 2-pyridone-3-carboxylic acid (isonixine). Arzneimittelforschung. 1979;29(9):1401-4.
- [3]. Carrera G, et al. Etude pharmacocinétique de l'isonixine [Pharmacokinetic study of isonixine]. Arch Farmacol Toxicol. 1978 Apr;4(1):111-2.
- [4]. Mitjavila MT, et al. Toxicological investigations of isonixine. Arzneimittelforschung. 1977 Jul;27(7):1460-4.

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

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