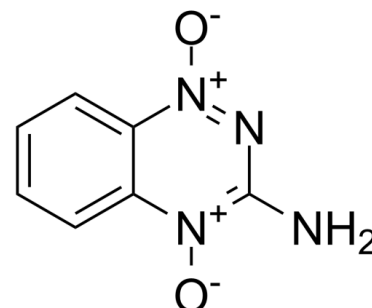


Data Sheet

Product Name:	Tirapazamine
Cat. No.:	CS-2781
CAS No.:	27314-97-2
Molecular Formula:	C7H6N4O2
Molecular Weight:	178.15
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 39 mg/mL (218.92 mM)



BIOLOGICAL ACTIVITY:

Tirapazamine is an anticancer agent that shows selective cytotoxicity for **hypoxic** cells in solid tumors, thereby inducing single- and double-strand breaks in DNA, base damage, and cell death.

References:

- [1]. Cai TY, et al. Tirapazamine sensitizes hepatocellular carcinoma cells to topoisomerase I inhibitors via cooperative modulation of hypoxia-inducible factor-1 α . *Mol Cancer Ther.* 2014 Mar;13(3):630-42.
- [2]. Sliwinska J, et al. Tirapazamine-doxorubicin interaction referring to heart oxidative stress and Ca²⁺ balance protein levels. *Oxid Med Cell Longev.* 2012;2012:890826.

CAIndexNames:

1,2,4-Benzotriazin-3-amine, 1,4-dioxide

SMILES:

NC1=[N+]([O-])C2=CC=CC=C2[N+]([O-])=N1

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA