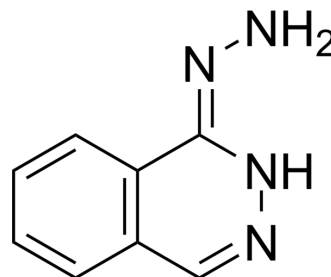


## Hydralazine

Cat. No.:	HY-B0464A
CAS No.:	86-54-4
Molecular Formula:	C <sub>8</sub> H <sub>8</sub> N <sub>4</sub>
Molecular Weight:	160.18
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Hydralazine is a orally active antihypertensive agent, reduces peripheral resistance directly by relaxing the smooth muscle cell layer in arterial vessel. Hydralazine has antioxidant activity, as well as inhibits reactive oxygen species (ROS) release and O <sub>2</sub> <sup>-</sup> generation with an IC <sub>50</sub> value of 9.53 mM and 1.19 mM, respectively <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 9.53 mM (ROS), 1.19 mM (O <sub>2</sub> <sup>-</sup> ) <sup>[1]</sup>

### CUSTOMER VALIDATION

- Neurosci Bull. 2020 Oct;36(10):1158-1170.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. Arce C, Segura-Pacheco B, Perez-Cardenas E, Taja-Chayeb L, Candelaria M, Dueñas-Gonzalez A. Hydralazine target: from blood vessels to the epigenome. J Transl Med. 2006 Feb 28;4:10.

[2]. Leiro JM, et al. Antioxidant activity and inhibitory effects of hydralazine on inducible NOS/COX-2 gene and protein expression in rat peritoneal macrophages. Int Immunopharmacol. 2004 Feb;4(2):163-77.

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

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