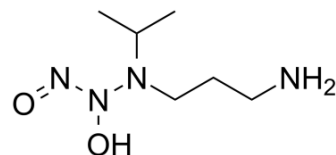


NOC-5

Cat. No.:	HY-126166
CAS No.:	146724-82-5
Molecular Formula:	C ₆ H ₁₆ N ₄ O ₂
Molecular Weight:	176.22
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NOC-5 is a diazeniumdiolate compound that belongs to the same family of NO donors ^[1] .
In Vitro	NOC-5 (5-20 μM) in PBS led to a rapid increase in NO release on day one ^[1] . NOC-5 (100 μM, 24 h) activates only caspase-3; an increase in caspase-3 activity occurred after NO donor treatment: 1.62 (1.57-1.66) (P < 0.05). NOC-5 has pro-apoptotic action in Jurkat cells, but at the same time increased the level of anti-apoptotic proteins ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Sophie A Bradley, et al. Characterisation and comparison of temporal release profiles of nitric oxide generating donors. J Neurosci Methods. 2015 Apr 30;245:116-24.
- [2]. Elena G Starikova, et al. Nitric oxide donor NOC-5 increases XIAP and Aven level in Jurkat cells. Cell Biol Int. 2014 Jul;38(7):799-802.

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

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