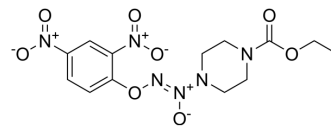


## JS-K

Cat. No.:	HY-126193		
CAS No.:	205432-12-8		
Molecular Formula:	C <sub>13</sub> H <sub>16</sub> N <sub>6</sub> O <sub>8</sub>		
Molecular Weight:	384.3		
Target:	NO Synthase; Apoptosis		
Pathway:	Immunology/Inflammation; Apoptosis		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



## BIOLOGICAL ACTIVITY

### Description

JS-K is a NO donor that reacts with glutathione to generate NO at physiological pH<sup>[1]</sup>. JS-K inhibits proliferation, induces apoptosis, and disrupts the cell cycle of Jurkat T acute lymphoblastic leukemia cells<sup>[2]</sup>.

## REFERENCES

[1]. Shami PJ, et al. JS-K, a glutathione/glutathione S-transferase-activated nitric oxide donor of the diazeniumdiolate class with potent antineoplastic activity. *Mol Cancer Ther.* 2003 Apr;2(4):409-17.

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

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