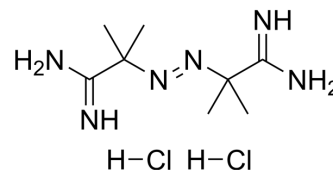


## AAPH

<b>Cat. No.:</b>	HY-Y0525		
<b>CAS No.:</b>	2997-92-4		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>6</sub>		
<b>Molecular Weight:</b>	271.19		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## BIOLOGICAL ACTIVITY

### Description

AAPH (2,2'-Azodiisobutyramidine dihydrochloride) has an effect of radical generation. AAPH induces oxidative stress and erythrocyte hemolysis<sup>[1]</sup>.

## REFERENCES

- [1]. Sean M. Culbertson, et al. Unsymmetrical Azo Initiators Increase Efficiency of Radical Generation in Aqueous Dispersions, Liposomal Membranes, and Lipoproteins. *J. Am. Chem. Soc.* 2000, 122, 17, 4032–4038.
- [2]. Liao W, et al. Intracellular antioxidant detoxifying effects of diosmetin on 2,2'-azobis(2-amidinopropane) dihydrochloride (AAPH)-induced oxidative stress through inhibition of reactive oxygen species generation. *J Agric Food Chem.* 2014 Aug 27;62(34):8648-54.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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