SNAP

Releases NO under physiological conditions

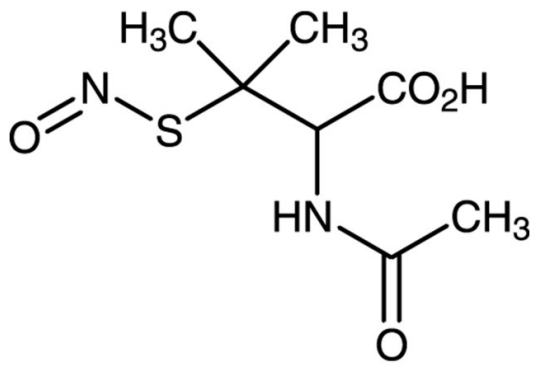
Stable analog of endogenous S-nitroso compounds. Nitric oxide (NO) donor and a source of NO *in vivo* which spontaneously releases NO under physiological conditions. The half-life time is 4.6 hours in aqueous media. Potent vasodilator *in vitro* and *in vivo* that does not induce pharmacological tolerance. Relaxes isolated bovine coronary artery rings with an EC50=0.1μM. It also inhibits vascular smooth muscle cell mitogenesis and proliferation, inhibits leukocyte adherence to endothelium, and inhibits cysteine proteases. The unique NO releasing properties of SNAP make it an ideal agent for studying the pharmacological and physiological actions of NO.

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Ordering Information Order Online »

BML-CN210-0020	20mg
BML-CN210-0100	100mg

Manuals, SDS & CofA View Online »


H3C
CH3
N
O
S
CO2H
HN
CH3
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for up to 1 year after receipt when stored at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	S-Nitroso-N-acetyl-D,L-penicillamine
Appearance	Green crystalline solid.
CAS	79032-48-7
Couple Target	Protease
Couple Type	Inhibitor
Formula	$C_7H_{12}N_2O_4S$
MW	220.3
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (25mg/ml) 100% ethanol (25mg/ml) or methanol; slightly soluble in water (2mg/ml).
Source	Synthetic.
Technical Info / Product Notes	Note: Product is not sterile.

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