



SNAP

Certificate of Analysis

Product S-Nitroso-N-acetyl-D,L-penicillamine [SNAP]

Formula C₇H₁₂N₂O₄S

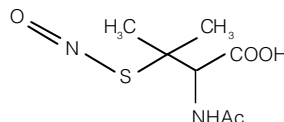
Mol. Weight 220.3

Tests	Standard	Results
Appearance	Green crystalline solid	Green crystalline solid
Melting/Boiling Points	148 / 153 °C	148.5 / 153.5 °C
Solubility	2.5 mg/ml. Completely soluble in MeOH	2.5 mg/ml. Completely soluble in MeOH
Purity	> 98% by NMR	>98% by NMR

Stability The product is stable for several days at room temperature

Prolonged Storage Keep cool and dry at -20°C

For laboratory use only — not for drug or human use.



SNAP is a stable green crystalline S-nitrosothiol compound that mimics the action of nitric oxide *in vivo*. It has vasodilatory properties and has been shown to relax isolated bovine coronary artery rings by activating soluble granulate cyclase. This reagent also actuates apoptosis in mouse thymocytes and has been accounted for reversible inactivation of protein Kinase C.

REFERENCES

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