
Product Name	: Stachydrine
Synonyms	: Proline betaine; L-stachydrine; Methyl hygrate betaine; NN-Dimethyl-L-proline
Cat No.	: M20448
CAS Number	: 471-87-4
Molecular Formula	: C ₇ H ₁₃ NO ₂
Formula Weight	: 143.18
Chemical Name	: —
Description	: Stachydrine is a major constituent of Chinese herb Leonurus heterophyllus sweet used to promote blood circulation and dispel blood stasis. Stachydrine can inhibit the NF-κB signal pathway. Stachydrine is a biomarker for the consumption of citrus fruits.
Pathway	: Apoptosis
Target	: NF-κB
Receptor	: p65
Solubility	: DMSO: 26 mg/mL (181.59 mM); H ₂ O: 32 mg/mL (223.49 mM)
SMILES	: C[N+](C)CCC[C@H]1C([O-])=O
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Guo W, Zhang C, Liao Y, L et al. [Effect of Leonurus stachydrine on myocardial cell hypertrophy][J]. Zhong yao cai = Zhongyao cai = Journal of Chinese medicinal materials 2012 35(6):940-943.