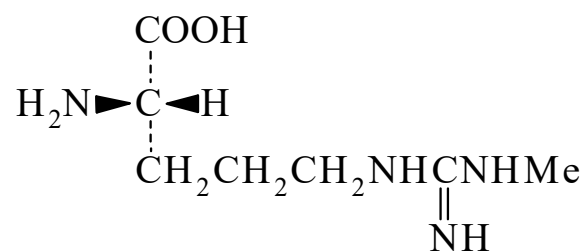




>>Entry Name: *N*^G-Methylarginine

ENTRY UNDER REVIEW

Synonym(s): *N*⁵-[Imino(methylamino)methyl]ornithine, 9Cl. *N*⁵-(Methylamidino)ornithine, 8Cl. *N*^G-Monomethylarginine. *N*^ω-Methylarginine. 546C88



Related CAS Registry Numbers(s): 51827-02-2 53308-83-1

Molecular Formula: C₇H₁₆N₄O₂

Molecular Weight: 188.229

Accurate Mass: 188.127326

Percentage Composition: C 44.67%; H 8.57%; N 29.77%; O 17.00%

>>Variant: (S)-form

Synonym(s): L-form. Targinine, INN

CAS Registry Number: 17035-90-4

Molecular Formula: C₇H₁₆N₄O₂

Molecular Weight: 188.229

Accurate Mass: 188.127326

Percentage Composition: C 44.67%; H 8.57%; N 29.77%; O 17.00%

Biological Use/Importance: Nitric oxide synthase inhibitor. Pharmacol. tool

Physical Description: Amorph. solid

Optical Rotation: [α]_D²⁰+23 (c, 1 in 1M HCl)

References:

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Corbin, J.L. *et al.*, *Anal. Biochem.*, 1974, **57**, 310, (*synth*)
Kasai, T. *et al.*, *Agric. Biol. Chem.*, 1976, **40**, 2449, (*isol, synth, pmr, ir*)
Ferrario, F. *et al.*, *Synth. Commun.*, 1991, **21**, 99, (*synth*)
Paik, W.K. *et al.*, *Amino Acids*, 1993, **4**, 267, (*rev, biosynth, metab*)
Feldman, P.L. *et al.*, *J. Med. Chem.*, 1993, **236**, 491-496, (*pharmacol*)
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Griffith, O.W. *et al.*, *Methods Enzymol.*, 1996, **268**, 375-392, (*biochem, rev*)
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