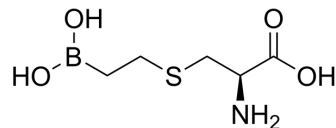


BEC

Cat. No.:	HY-19548
CAS No.:	63107-40-4
Molecular Formula:	C ₅ H ₁₂ BNO ₄ S
Molecular Weight:	193.03
Target:	Arginase
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

BEC, an arginine analogue, is a slow-binding competitive inhibitor of the binuclear manganese metalloenzyme arginase. BEC enhances substrate flux to NO synthase, thereby enhancing NO-dependent smooth muscle relaxation in the corpus cavernosum, and enhances penile erection^[1].

CUSTOMER VALIDATION

- Free Radic Biol Med. 2023 Feb 23;S0891-5849(23)00090-4.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Kim NN, et al. Probing erectile function: S-(2-boronoethyl)-L-cysteine binds to arginase as a transition state analogue and enhances smooth muscle relaxation in human penile corpus cavernosum. *Biochemistry*. 2001 Mar 6;40(9):2678-88.

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

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