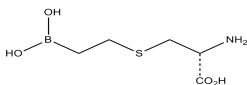


PRODUCT: BEC**ALTERNATE NAME:** S-(2-boronoethyl)-L-cysteine**CATALOG #:** 2359-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₅H₁₂BNO₄S**MOLECULAR WEIGHT:** 193.03**CAS NUMBER:** 63107-40-4**APPEARANCE:** White solid**SOLUBILITY:** PBS, pH 7.2 (~ 5 mg/ml)**PURITY:** ≥98%**STORAGE:** At -20°C. Protect from air and moisture

DESCRIPTION: A potent, slow-binding competitive inhibitor of recombinant rat liver arginase I with a K_i of 0.4-0.6 μM. It is also a potent inhibitor of human arginase II with K_i values of 0.31 μM and 30 nM at pH 7.5 and 9.5, respectively. It does not inhibit murine iNOS at concentrations up to 1 mM. BEC significantly enhances NO-dependent relaxation of human penile corpus cavernosum smooth muscle in vitro at concentrations between 0.1-1.0 mM.

REFERENCE: Kim, N.N., *et al.* (2001). *Biochemistry* **40**, 2678-2688.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

1400W hydrochloride (Cat. No. 2055-5, 25)

Diphenyleneiodonium chloride (Cat. No. 2358-5)

eNOS Antibody (Cat. No. 3426R-100)

L-NAME hydrochloride (Cat. No. 2356-100, 500, 1000)

L-NMMA acetate (Cat. No. 2348-5, 25, 100)

Nitric Oxide Colorimetric Assay Kit (Cat. No. K262-200)

Nitric Oxide Fluorometric Assay Kit (Cat. No. K252-20)

7-Nitroindazole (Cat. No. 2360-50, 250)

3-Bromo-7-Nitroindazole (Cat. No. 2361-10, 50)

ODQ (Cat. No. 2501-10, 50)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**