BEC . ammonium salt

Arginase inhibitor

Slow-binding competitive inhibitor of arginase I (K_i=0.4-0.6μM & K_D =2.22μM for recombinant rat liver arginase) and arginase II (K_i=0.31μM at pH 7.5 and 0.03μM at pH 9.5 for human recombinant type II arginase). Enhances NO-dependent smooth muscle relaxation in human penile corpus cavernosum tissue. Does not inhibit nitric oxide synthase (NOS) and may serve as a valuable reagent to probe the physiological relationship between arginase and NOS. Inhibitor of rat aortic smooth muscle cell proliferation.

Citations: 10 View Online »

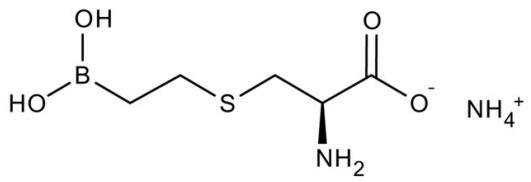
Ordering Information

Order Online »

ALX-270-345-M001	1mg
ALX-270-345-M005	5mg

Manuals, SDS & CofA

View Online »


OH
B
HO
S
O
O-
NH4+
NH2

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Very hygroscopic. Keep under inert gas. Keep cool and dry.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	S-(2-Boronoethyl)-L-cysteine . NH4
Appearance	White to off-white powder.
CAS	63107-40-4 (non-salt)
Couple Target	Arginase
Couple Type	Inhibitor
Formula	$C_5H_{11}BNO_4S$. NH_4
MW	192.0 . 18.0
Purity	≥95% (TLC)
Solubility	Soluble in water (10mg/ml).

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