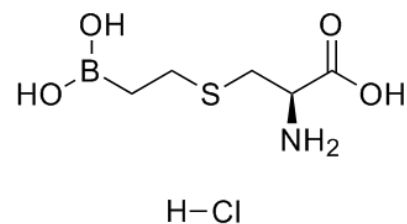


**Product Name** : BEC hydrochloride  
**Cat. No.** : PC-45648  
**CAS No.** : 222638-67-7  
**Molecular Formula** : C<sub>5</sub>H<sub>13</sub>BClNO<sub>4</sub>S  
**Molecular Weight** : 229.49  
**Target** : Arginase  
**Solubility** : H<sub>2</sub>O: ≥ 35 mg/mL



### Biological Activity

BEC hydrochloride is a potent human **Arginase** inhibitor with K<sub>i</sub> of 0.31 μM (pH=7.5), 30 nM (pH=9.5) for type II arginase. BEC hydrochloride does not inhibit nitric oxide synthase. BEC hydrochloride treatment causes significant enhancement of NO-dependent smooth muscle relaxation in human penile corpus cavernosum tissue.

### References

- Kim NN, et al. *Biochemistry*. 2001 Mar 6;40(9):2678-88.  
Colleluori DM, et al. *Biochemistry*. 2001 Aug 7;40(31):9356-62.  
Shatanawi A, et al. *Am J Physiol Cell Physiol*. 2011 May;300(5):C1181-92.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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