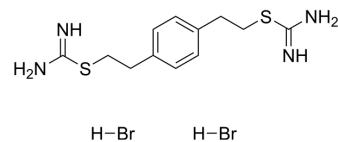


## 1,4-PBIT dihydrobromide

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-135224   |
| CAS No.:           | 157254-60-9   |
| Molecular Formula: | C <sub>12</sub> H <sub>20</sub> Br <sub>2</sub> N <sub>4</sub> S <sub>2</sub>             |
| Molecular Weight:  | 444.25  |
| Target:            | NO Synthase   |
| Pathway:           | Immunology/Inflammation   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                                     |  |                     |                    |
|-------------------------------------|--|---------------------|--------------------|
| <b>Description</b>                  | 1,4-PBIT (1,4-PB-ITU) dihydrobromide (compound 46) is a potent nitric oxide synthases (NOS) inhibitor, with K <sub>i</sub> values of 7.6 nM, 360 nM, and 16 nM for the inducible (iNOS), endothelial (eNOS), and neuronal (nNOS) isozymes, respectively <sup>[1]</sup> . |                     |                    |
| <b>IC<sub>50</sub> &amp; Target</b> | iNOS<br>7.6 nM (Ki)  | eNOS<br>360 nM (Ki) | nNOS<br>16 nM (Ki) |

### REFERENCES

[1]. E P Garvey, et al. Potent and selective inhibition of human nitric oxide synthases. Inhibition by non-amino acid isothioureas. J Biol Chem. 1994 Oct 28;269(43):26669-76.

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

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