

Phosphoramidon, Neutral endopeptidase inhibitor

Catalog	Unit
TBI2548-5MG	5 mg
TBI2548-25MG	25 mg

Product Details

Formal Name: N-(α -Rhamnopyranosyloxyhydroxyphosphinyl)-L-leucyl-L-tryptophan • 2Na

Molecular Formula: C₂₃H₃₂N₃O₁₀P • 2Na

Formula Weight: 587.47

CAS Number: 119942-99-3

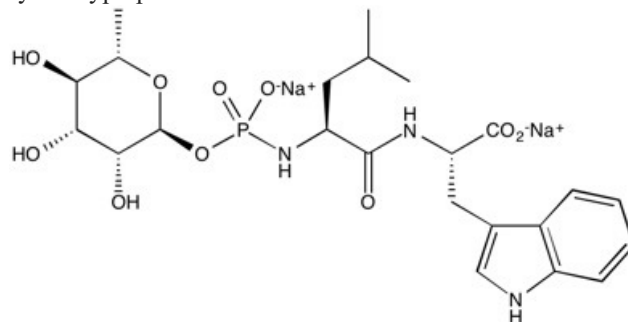
Purity: >95%

Formulation: powder

Solubility: Soluble in DMSO, methanol and water

Storage: -20°C

Stability: \geq 2 years.



Applications

Neutral endopeptidase inhibitor

Functions

Inhibits neutral endopeptidase 24.11 (NEP; Neprilysin; EC 3.4.24.11), $K_i=2$ nM. Also inhibits neprilysin 2 ($K_i\sim 2$ nM). Also inhibits endothelin-converting enzyme ($IC_{50} = 0.68$ μ M). Induces a dramatic increase in amyloid-beta levels in rodents.

Application Procedures

First dissolved in DMSO, methanol and water, then diluted to aqueous buffer. Solutions in DMSO, methanol, or distilled water may be stored at -20°C for up to 2 months.

For research use only.