

BH3 hydrochloride

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| Cat. No.: | HY-P2343 |
| Molecular Formula: | C ₁₂₀ H ₁₈₃ ClN ₃₆ O ₃₂ |
| Molecular Weight: | 2677.45 |
| Sequence: | Ile-Trp-Ile-Ala-Gln-Glu-Leu-Arg-Arg-Ile-Gly-Asp-Glu-Phe-Asn-Ala-Tyr-Tyr-Ala-Arg-Arg |
| Sequence Shortening: | IWIAQELRRIGDEFNAYYARR |
| Target: | Apoptosis |
| Pathway: | Apoptosis |
| Storage: | Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen) |

BIOLOGICAL ACTIVITY

Description

BH3 hydrochloride, a BBB penetrated peptide, provoke apoptosis either by direct activation of pro-apoptotic Bax/Bak or by neutralizing anti-apoptotic Bcl-2 proteins (Bcl-2, Bcl-XL, Bcl-w, Mcl-1 and A-1) via their BH3 domain^{[1][2]}.

REFERENCES

- [1]. Guang Yang, et al. Modulating Protein-Protein Interactions In Vivo via Peptide-Lanthanide-Derived Nanoparticles for Hazard-Free Cancer Therapy. J Biomed Nanotechnol. 2019 Sep 1;15(9):1937-1947.
- [2]. Shatrúnajay Shukla, et al. BH3-only Protein BIM: An Emerging Target in Chemotherapy. Eur J Cell Biol. 2017 Dec;96(8):728-738.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA