

Product Name: GO-203 TFA

Cat. No.: MRP-2505-CXX-16

Package: 1 mg/5 mg/10 mg/50 mg/100 mg

Description

GO-203 TFA is a potent MUC1-C oncoprotein inhibitor. This all-D-amino acid peptide, with a poly-R transduction domain linked to a CQCRRKN motif, binds the MUC1-C cytoplasmic tail to block homodimerization. It downregulates TIGAR synthesis by inhibiting the PI3K-AKT-S6K1 pathway, induces ROS production and mitochondrial transmembrane potential loss, and inhibits colon cancer cell growth in vitro and in vivo.

Product Details

Purity: 99.28%

Formula: C₈₉H₁₇₁F₃N₅O₂₁S₂

Molecular Weight: 2426.77

Appearance: Solid

Color: White to off-white

Biological Target: PI3K; Reactive Oxygen Species; Apoptosis

Research Areas: Cancer


Sequence: d-{Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Cys-Gln-Cys-Arg-Arg-Lys-Asn} (TFA salt)

Sequence Shortening: d-{Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Cys-Gln-Cys-Arg-Arg-Lys-Asn} (TFA salt)

Solubility: DMSO: 100 mg/mL (41.21 mM, need ultrasonic); H₂O: 100 mg/mL (41.21 mM, need ultrasonic)

Shipping Conditions: Room Temperature

Storage Information: Powder: -80°C (2 years), -20°C (1 year); In solvent: -80°C (6 months), -20°C (1 month)

 For preclinical research and development use only; not intended for therapeutic or other applications.