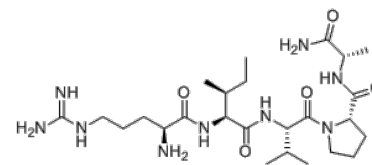


Product Name : Dusquetide
Cat. No. : PC-38781
CAS No. : 931395-42-5
Molecular Formula : C₂₅H₄₇N₉O₅
Molecular Weight : 553.709
Target : RIP kinase
Solubility : 10 mM in DMSO



Biological Activity

Dusquetide (SGX-942, SGX94) is a 5-amino acid peptide, cell membrane penetrant innate defense regulator (IDR), targets the ZZ domain of **p62** and modulates the p62-RIP1 complex.

Dusquetide penetrates the cell membrane and associates with p62 in vivo.

Dusquetide binding modulates the p62-RIP1 complex, increases p38 phosphorylation, and enhances CEBP/B expression without activating autophagy.

Dusquetide reduces the duration of mucositis in preclinical animal models, and in Phase 2a clinical studys.

References

Yi Zhang, et al. *Structure*. May 30, 2022

Mahesh Kudrimoti, et al. *J Biotechnol*. 2016 Dec 10;239:115-125.

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

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