
Product Data Sheet

Product Name: Dusquetide TFA

Cat. No.: GC39590

Chemical Properties

Cas. No.

SMILES C[C@@H](C(N)=O)NC([C@H]1N(C([C@H](C(C)C)NC([C@H]([C@@H](C)CC)NC([C@H](CCCNC(N)=N)N)=O)=O)=O)CCC1)=O.OCC(F)(F)F)=O

Formula $C_{27}H_{48}F_3N_9O_7$ M.Wt 667.72

Solubility Soluble in DMSO Storage $-20^{\circ}C$, away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Dusquetide (SGX942) TFA is a first-in-class innate defense regulator (IDR). Dusquetide TFA modulates the innate immune response to both PAMPs and DAMPs by binding to p62. Dusquetide TFA shows activity in both reducing inflammation and increasing clearance of bacterial infection[1]. DAMPs: damage-associated molecular patterns; PAMPs: pathogen-associated molecular patterns

[1]. Kudrimoti M, et al. Dusquetide: A novel innate defense regulator demonstrating a significant and consistent reduction in the duration of oral mucositis in preclinical data and a randomized, placebo-controlled phase 2a clinical study. J Biotechnol. 2016 Dec 10;239:115-125.

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

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