

Product Data Sheet

Product Name: sICeMM1

Cat. No.: GC79495

Chemical Properties

Cas. No. 949973-22-2

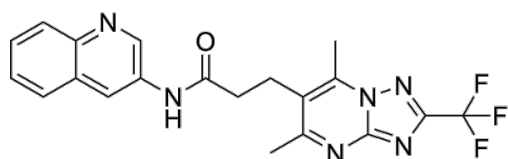
Formula $C_{20}H_{17}F_3N_6O$ M.Wt 414.38

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

sICeMM1 is a selective SLC16A3 (MCT4) inhibitor. sICeMM1 inhibits lactate transport, induces intracellular lactate accumulation, reduces viability of SLC16A3-dependent cells, and inhibits growth of SLC16A3-dependent cells. sICeMM1 can be used for the research of rheumatoid arthritis and cancer [1].

In Vitro, sICeMM1 (serial dilutions; 72 h) potently and selectively inhibits viability of SLC16A3-dependent HAP1 SLC16A1^{-/-} cells with an IC₅₀ of 0.88 μM, while having no effect on HAP1 cells dependent on SLC16A1, SLC16A7, or SLC16A8^[1]. sICeMM1 (serial dilutions; 6 h) induces

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

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intracellular lactate accumulation in SLC16A3-dependent HAP1 SLC16A1^{-/-} cells with an IC₅₀ of 91 nM, confirming inhibition of SLC16A3-mediated lactate export^[1].

References:

[1]. Dvorak V, et al. Paralog-dependent isogenic cell assay cascade generates highly selective SLC16A3 inhibitors. Cell Chem Biol. 2023;30(8):953-964.e9.

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