

Product Data Sheet

Product Name: uPSEM792

Cat. No.: GC73936

Chemical Properties

Cas. No. 2323525-19-3

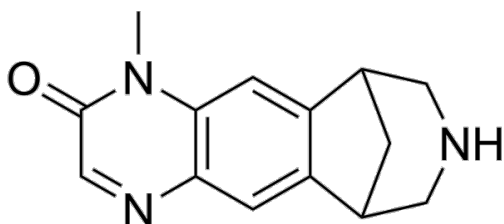
Formula $C_{14}H_{15}N_3O$ M.Wt 241.29

Solubility DMSO : ≥ 100 mg/mL (414.44 mM) Storage 4°C, protect from light

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

uPSEM792 is a pharmacologically selective effector molecules (PSEM) agonist for PSAM4-GlyR, with an affinity of K_i of 0.7 nM. uPSEM792 is a substrate for efflux transporters in brains of wild type and dual P-gp and BCRP knockout mice. uPSEM7952 is a possible lead for developing the PET radioligand for PSAM4-GlyR.

References:

[1]. Nerella SG, et al., Synthesis and preclinical evaluation of [^{11}C]uPSEM792 for PSAM4-GlyR based chemogenetics. Sci Rep. 2024 Jan 22;14(1):1886.

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

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