
Product Data Sheet

Product Name: BAY-805
 Cat. No.: GC68742

Chemical Properties

Cas. No. 2925481-88-3

Formula $C_{24}H_{28}F_3N_5O_2S$ M.Wt 507.57

Solubility DMSO : ≥ 200 mg/mL (394.03 mM) Storage 4°C, away from moisture and 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

BAY-805 is a selective inhibitor of ubiquitin-specific protease **USP21**. BAY-805 has high selectivity for deubiquitinating enzyme (DUB) targets, kinases, proteases and other common target enzymes^[1].

BAY-805 \square hUSP21 HTRF \square hUSP21 Ub-Rhod \square IC_{50} \square 6 nM \square 2 nM^[1] \square

BAY-805 (10 μ M) \square NF- κ B \square EC_{50} \square 17 nM^[1] \square

BAY-805 (10 μ M \square 50 μ M) \square USP21 \square USP22 \square USP10 \square \square ^[1] \square

BAY-805 (0.0001-1000000 nM) \square USP21 \square \square ^[1] \square

[1]. Göricke F, et al. Discovery and Characterization of BAY-805, a Potent and Selective Inhibitor of Ubiquitin-Specific Protease USP21. J Med Chem. 2023 Feb 20.

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

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