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**Product Data Sheet**

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Product Name: RECQL5-IN-1

Cat. No.: GC64100

**Chemical Properties**

Cas. No. 2718170-45-5

Formula C<sub>25</sub>H<sub>18</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub>S

M.Wt

552.49

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**

RECQL5-IN-1 (Compound 4a) acts as an orally effective RECQL5 inhibitor (targeting both enzymatic and nonenzymatic domain). RECQL5-IN-1 is a potent inhibitor of RECQL5 helicase activity (IC<sub>50</sub>=46.3 nM). RECQL5-IN-1 inhibits RECQL5-WT cells and RECQL5-KO2 cells with IC<sub>50</sub>s of 4.8 μM and 19.6 μM, respectively. RECQL5-IN-1 can be used for the research of breast cancer[1].

[1]. Saikat Chakraborty, et al. Targeting RECQL5 Functions, by a Small Molecule, Selectively Kills Breast Cancer in Vitro and in Vivo. J Med Chem. 2021 Feb 11;64(3):1524-1544.

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

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