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**Product Data Sheet**

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Product Name: OSBPL7-IN-1

Cat. No.: GC63339

**Chemical Properties**

Cas. No. 1269826-44-9

Formula  $C_{20}H_{19}Cl_2F_3N_2O_3$ 

M.Wt 463.28

Solubility DMSO : 125 mg/mL (269.82 mM; ultrasonic and warming and heat to 60°C)

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**

OSBPL7-IN-1 is an orally active oxysterol binding protein like 7 (OSBPL7) inhibitor. OSBPL7-IN-1 promotes an increase of ABCA1 at the plasma membrane without affecting mRNA expression[1].

OSBPL7-IN-1 (compound G or Cpd G; 1-10  $\mu$ M) increase plasma membrane ATP-binding cassette transporter (ABCA1) in cultured human podocytes, and significantly increase ABCA1-dependent cholesterol efflux[1].

OSBPL7-IN-1 (100 mg/kg; oral gavage; daily; for 28 days) treatment normalizes proteinuria and prevents renal function decline in mouse models of proteinuric kidney disease[1].

[1]. Matthew B Wright, et al. Compounds targeting OSBPL7 increase ABCA1-dependent cholesterol efflux preserving kidney function in two models of kidney disease. Nat Commun. 2021 Aug 2;12(1):4662.

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

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