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**Product Data Sheet**

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Product Name: FH1 (NSC 12407)

Cat. No.: GC33451

**Chemical Properties**

Cas. No. 2719-05-3

SMILES CC(NC1=CC=C(CC2=CC=C(NC(C)=O)C=C2)C=C1)=OFormula C<sub>17</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

M.Wt 282.34

Solubility DMSO : 13 mg/mL (46.04 mM; Need ultrasonic and warming)

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**

FH1(BRDK4477) is a small molecule that can enhance the functions of cultured hepatocytes. IC50 value: Target: In vitro: FH1(BRD-K4477) enhances hepatocyte functions, and promotes the maturation of well-differentiated cultures of iHeps, which potentially alleviates a major obstacle to the use of iPS cells as a renewable source of functional human hepatocytes.

[1]. Shan J, et al. Identification of small molecules for human hepatocyte expansion and iPS differentiation. Nat Chem Biol. 2013 Aug;9(8):514-20.

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

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