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**Product Data Sheet**

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Product Name: M2912  
Cat. No.: GC25603

**Chemical Properties**

Cas. No. 1460286-21-8

Formula C<sub>17</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> M.Wt 282.34

Solubility DMSO: 56 mg/mL (198.34 mM); Water: Insoluble; Ethanol: 6 mg/mL (21.25 mM) 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 sizes: ship with RT, or blue ice upon request.

Structure

**Background**

M2912 (MSC2504877) is a very potent TNKS1/TNKS2 inhibitor (IC<sub>50</sub>=0.6 nM for TNKS1) with exquisite selectivity over other PARP family enzymes and favorable compound properties. This inhibitor potently modulates the Wnt/β-catenin pathway by elevating the levels of axin2 (EC<sub>50</sub>=17 nM) and tankyrase in DLD1 cells in a dose-dependent manner resulting in reduced cellular Wnt reporter activity.

[1] Buchstaller HP, et al. J Med Chem. 2021 Jul 22;64(14):10371-10392.

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

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