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**Product Data Sheet**

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Product Name: TEPC466  
Cat. No.: GC63862

**Chemical Properties**

Cas. No. 2621957-88-6

Formula C<sub>27</sub>H<sub>20</sub>N<sub>4</sub>O<sub>5</sub>S<sub>2</sub> M.Wt 544.6

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**

TEPC466 is a novel TEPP-46-based aggregation-induced emission (AIE) probe. TEPC466 shows a high degree of selectivity and sensitivity for the detection of PKM2 protein via the AIE effect. EPC466 can be used for the detection of PKM2. TEPC466 is successfully applied in imaging the PKM2 protein in colorectal cancer cells with low toxicity. TEPC466 is a useful tool for cancer diagnosis and research[1].

[1]. Wang D, et al. TEPP-46-Based AIE Fluorescent Probe for Detection and Bioimaging of PKM2 in Living Cells. Anal Chem. 2021;93(37):12682-12689.

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

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