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**Product Data Sheet**

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Product Name: BAY-8400

Cat. No.: GC63763

**Chemical Properties**

Cas. No. 2763602-59-9

Formula  $C_{21}H_{17}F_2N_5O$ 

M.Wt 393.39

Solubility DMSO : 62.5 mg/mL (158.88 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**

BAY-8400 is an orally active, potent and selective DNA-dependent protein kinase (DNA-PK) inhibitor (IC<sub>50</sub>=81 nM). BAY-8400 can be used for the research of cancer[1].

BAY-8400 (150 mg/kg; p.o.) increases the antitumor efficacy. BAY-8400 shows useful aqueous solubility and oral bioavailability across species[1].

[1]. Berger M, et al. BAY-8400: A Novel Potent and Selective DNA-PK Inhibitor which Shows Synergistic Efficacy in Combination with Targeted Alpha Therapies [published online ahead of print, 2021 Aug 24]. J Med Chem. 2021;10.1021/acs.jmedchem.1c00762.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA