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**Product Data Sheet**


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Product Name: BAY-588  
 Cat. No.: GC19000

**Chemical Properties**

Cas. No. 1799759-24-2

Chemical Name N4-[1-[[4-(1,1-dimethylethyl)phenyl]methyl]-5-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]-7-fluoro-2,4-quinolinedicarboxamide

SMILES FC1=CC=C2C(N=C(C(N)=O)C=C2C(NC3=C(C)N(CC4=CC=C(C(C)(C)C)C=C4)N=C3C(F)(F)F)=O)=C1

Formula C<sub>27</sub>H<sub>25</sub>F<sub>4</sub>N<sub>5</sub>O<sub>2</sub> M.Wt 527.5

Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, DMSO:PBS (pH 7.2) (1:1): 0.5 mg/ml, Ethanol: 1 mg/ml  
 Storage 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-588 is a glucose transporter inhibitor and derivative of BAY-876. It selectively inhibits glucose transporter 4 (Glut4), Glut1, and Glut3 over Glut2 with IC<sub>50</sub> values of 0.5, 1.18, 5.47, and >10 μM, respectively, in CHO cells expressing human recombinant transporters.

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

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