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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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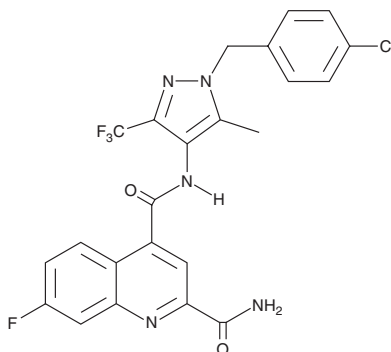
PRODUCT INFORMATION



BAY-876

Item No. 19961

CAS Registry No.: 1799753-84-6
Formal Name: N⁴-[1-[(4-cyanophenyl)methyl]-5-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]-7-fluoro-2,4-quinolinedicarboxamide
MF: C₂₄H₁₆F₄N₆O₂
FW: 496.4
Purity: ≥98%
UV/Vis.: λ_{max}: 234 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

BAY-876 is supplied as a crystalline solid. A stock solution may be made by dissolving the BAY-876 in the solvent of choice. BAY-876 is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of BAY-876 in these solvents is approximately 30 mg/ml.

BAY-876 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, BAY-876 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. BAY-876 has a solubility of approximately 0.33 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

BAY-876 is a potent and selective inhibitor of glucose transporter 1 (Glut1) with IC₅₀ values of 2, 10,800, 1,670, and 290 nM for Glut1, Glut2, Glut3, and Glut4, respectively, in CHO cells expressing human recombinant receptors.¹ It shows low metabolic clearance and has high permeability *in vitro*. *In vivo*, BAY-876 displays low plasma clearance and high oral bioavailability in rats and dogs.

Reference

1. Siebeneicher, H., Cleve, A., Rehwinkel, H., *et al.* Identification and optimization of the first highly selective GLUT1 inhibitor BAY-876. *ChemMedChem* **11**(20), 2261-2271 (2016).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

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