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Produktinformation

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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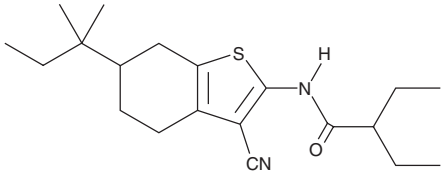
PRODUCT INFORMATION

Glucagon Receptor Antagonist I

Item No. 21223

CAS Registry No.: 438618-32-7
Formal Name: N-[3-cyano-6-(1,1-dimethylpropyl)-4,5,6,7-tetrahydrobenzo[b]thien-2-yl]-2-ethyl-butanamide
Synonym: GCGR Antagonist I
MF: $C_{20}H_{30}N_2OS$
FW: 346.5
Purity: ≥99%
UV/Vis.: λ_{max}: 216, 252, 260, 304 nm
Supplied as: A crystalline solid
Storage: -80°C
Stability: ≥2 years



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

Laboratory Procedures

Glucagon receptor antagonist I is supplied as a crystalline solid. A stock solution may be made by dissolving the glucagon receptor antagonist I in the solvent of choice, which should be purged with an inert gas. Glucagon receptor antagonist I is soluble in DMSO.

Description

Glucagon receptor antagonist I is a competitive antagonist of the glucagon receptor (GCGR; IC_{50} = 181 nM).[1] It blocks glucagon-induced glycogenolysis in primary human hepatocytes and isolated liver.[1] Glucagon receptor antagonist I, at 50 mg/kg, reduces the increase in glucose levels observed after intraperitoneal administration of glucagon in humanized mice.[1] Glucagon receptor antagonist inactive control (Item No. 21188) does not prevent glucagon-mediated actions.[1]

Reference

1. Qureshi, S.A., Candelore, M.R., Xie, D., *et al.* A novel glucagon receptor antagonist inhibits glucagon-mediated biological effects. *Diabetes* **53(12)**, 3267-3273 (2004).

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