

CHIR-99021 HCl

Cat. # F6190, F6191

- Also Known as:** 6-(2-(4-(2,4-dichlorophenyl)-5-(4-methyl-1H-imidazol-2-yl)pyrimidin-2-ylamino)ethylamino)nicotinonitrile hydrochloride
- Formula:** $C_{22}H_{18}Cl_2N_8 \cdot HCl$
- MW:** 501.8 Da
- CAS No.:** 252917-06-9
- Source:** Synthetic
- Form:** Lyophilized powder
- Solubility:** > 20 mg/ml in DMSO
- Concentration:** N/A
- Quality Assurance:** >98% by HPLC and NMR
- Description:** CHIR-99021 (CT99021) is an inhibitor of GSK-3 α / β with IC₅₀ of 10 nM/6.7 nM, respectively. CHIR-99021 induces the activation of glycogen synthase (GS) in insulin receptor-expressing CHO-IR cells.
- Storage:** Eligible for room temperature shipping. Store at -80°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.
- Note:** Briefly spin the tube before removing the cap.
- Literature:** Ring DB, *et al.* (2003) Diabetes 52(3), 588-595.

