

## CHIR-99021 (CT99021)

Cat. No. CEI-1279

Lot. No. (See product label)

### Introduction

**Description** CHIR-99021 (CT99021) is an inhibitor of GSK-3 $\alpha/\beta$  with IC<sub>50</sub> of 10 nM/6.7 nM; > 500-fold selectivity for GSK-3 versus its closest homologs CDC2 and ERK2, as well as other protein kinases.

**Synonyms** CHIR99021, CHIR-99021, CHIR 99021, CT99021, GSK-3 Inhibitor XVI

### Product Information

**CAS No.** 252917-06-9

**Molecular Formula** C<sub>22</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>8</sub>

**Chemical Name** 6-[2-[[4-(2,4-dichlorophenyl)-5-(5-methyl-1H-imidazol-2-yl)pyrimidin-2-yl]amino]ethylamino]pyridine-3-carbonitrile

**Molecular Weight** 465.34

**Purity** 0.9823

**Targets** GSK-3

**IC<sub>50</sub>** 7 nM

**Solubility** Soluble in DMSO

### Storage and Shipping Information

**Storage** Store at 4°C

**Shipping Conditions** Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request