

6BIO

Cat. No. CEI-0951

Lot. No. (See product label)

Introduction

Description Scientific Background Potent and selective inhibitor of glycogen synthase kinase-3 (GSK-3) IC₅₀=5 nM. The first pharmacological agent shown to maintain self-renewal in human and mouse embryonic stem cells. Promotes proliferation in mammalian cardiomyocytes. A potent inhibitor of malignant lymphoid cell proliferation.

Synonyms (2'Z,3'E)-6-Bromoindirubin-3'-oxime

Product Information

Appearance Purple powder

CAS No. 667463-62-9

Molecular Formula C₁₆H₁₀BrN₃O₂

Molecular Weight 356.2

Purity 98% (TLC: 5% CH₃OH in CH₂Cl₂, R_f=0.43); NMR (Conforms)

Targets GSK3

Melting Point 263-265°C

Solubility Soluble in DMSO (15 mg/ml); or Ethanol (4 mg/ml, warm)