

## BML-277

Cat. No. CEI-0960

Lot. No. (See product label)

### Introduction

#### Description

A highly selective inhibitor of Chk2 (IC<sub>50</sub>=15 nM). Displays <25% inhibition of 35 other kinases at 10 uM). It possesses potent radioprotective activity and prevents apoptosis of human T-cells subjected to ionizing radiation (EC<sub>50</sub>= 3-7.6 μM). It is a useful tool for determining the role of Chk2 in cellular signaling.

#### Synonyms

2-(4-(4-chlorophenoxy)phenyl)-1H-benzimidazole-5-carboxamide, Chk2 Inhibitor II

### Product Information

#### Appearance

Off white solid

#### CAS No.

516480-79-8

#### Molecular Formula

C<sub>20</sub>H<sub>14</sub>ClN<sub>3</sub>O<sub>2</sub>

#### Molecular Weight

363.8

#### Purity

>98% (TLC; 1:1 ethylacetate: hexane; R<sub>f</sub>=0.17); NMR (Conforms)

#### Targets

CHK2

#### Solubility

May be dissolved in DMSO (20 mg/ml); or Ethanol (20 mg/ml)