

## BML-277, CHK2 inhibitor

---

Catalog	Unit
TBI1024-5MG	5 mg
TBI1024-25MG	25 mg

### Product Details

**Formal Name:** 2-(4-(4-Chlorophenoxy)phenyl)-1H-benzimidazole-5-carboxamide

**Molecular Formula:** C<sub>20</sub>H<sub>14</sub>ClN<sub>3</sub>O<sub>2</sub>

**Formula Weight:** 363.81

**CAS Number:** 516480-79-8

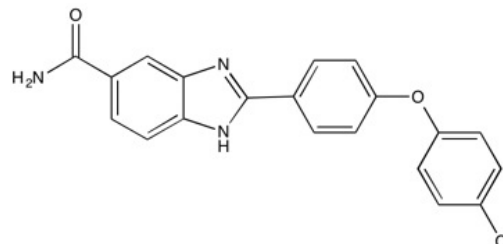
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 20 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

CHK2 inhibitor

### Functions

Potent selective inhibitor of Chk2 (IC<sub>50</sub> = 15 nM). BML-277 has been screened against a panel of 35 kinases, and shows less than 25% inhibition of any other kinase at 10 μM, demonstrating the selectivity. Also displays radioprotective activity, preventing apoptosis in human T-cells that were subjected to ionizing radiation (EC<sub>50</sub> = 3.0 – 7.6 μM).

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**