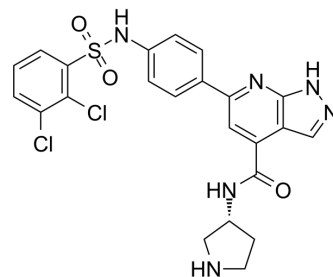


SGK1-IN-3

| | |
|--------------------|---|
| Cat. No.: | HY-142686 |
| CAS No.: | 2891696-18-5 |
| Molecular Formula: | C ₂₃ H ₂₀ Cl ₂ N ₆ O ₃ S |
| Molecular Weight: | 531.41 |
| Target: | SGK |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | SGK1-IN-3 (compound 3a) is a potent and orally active inhibitor of SGK1. The serine/threonine kinase SGK1 is an activator of the β -catenin pathway and a powerful stimulator of cartilage degradation that is found to be upregulated under genomic control in diseased osteoarthritic cartilage. SGK1-IN-3 has the potential for the research of osteoarthritis ^[1] . |
| IC ₅₀ & Target | SGK1 |

REFERENCES

[1]. Halland N, et al. Rational Design of Highly Potent, Selective, and Bioavailable SGK1 Protein Kinase Inhibitors for the Treatment of Osteoarthritis. *J Med Chem.* 2022;65(2):1567-1584.

Caution: Product has not been fully validated for medical applications. For research use only.

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