

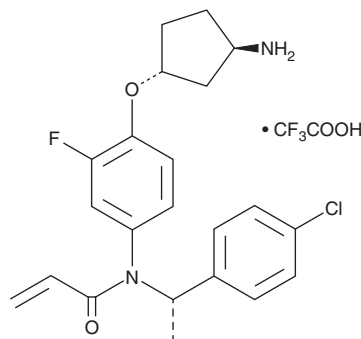
PRODUCT INFORMATION



Bfl-1-IN-6 (trifluoroacetate salt)

Item No. 46002

CAS Registry No.: 3106364-91-1
Formal Name: N-(4-(((1R,3R)-3-aminocyclopentyl)oxy)-3-fluorophenyl)-N-((S)-1-(4-chlorophenyl)ethyl)acrylamide, trifluoroacetate salt
Synonym: Bfl-1 Inhibitor 6
MF: $C_{22}H_{24}ClFN_2O_2 \cdot CF_3COOH$
FW: 516.9
Purity: $\geq 98\%$
Supplied as: A solid
Storage: $-20^\circ C$
Stability: ≥ 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Bfl-1-IN-6 (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the Bfl-1-IN-6 (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. Bfl-1-IN-6 (trifluoroacetate salt) is sparingly soluble (1-10 mg/ml) in DMSO and slightly soluble (0.1-1 mg/ml) in acetonitrile.

Description

Bfl-1-IN-6 is an inhibitor of the protein-protein interaction between the anti-apoptotic protein Bfl-1 and the pro-apoptotic protein BIM ($IC_{50} = 19$ nM).¹ It is selective for Bfl-1 over Bcl-2, Bcl-xL, and Mcl-1 (IC_{50} s = >30 , >30 , and >100 μM , respectively). Bfl-1-IN-6 binds to and stabilizes Bfl-1, leading to caspase-3 activation in OCI-LY10 diffuse large B cell lymphoma (DLBCL) cells at 0.3-9 μM and in intratumoral tissue isolated from mice in an OCI-LY10 xenograft model following administration of 100 or 300 mg/kg doses.

Reference

1. Palisse, A., Cheung, T., Blokhuis, A., *et al.* Structure-based discovery of a series of covalent, orally bioavailable, and selective BFL1 inhibitors. *J. Med. Chem.* **67**(24), 22055-22079 (2024).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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