



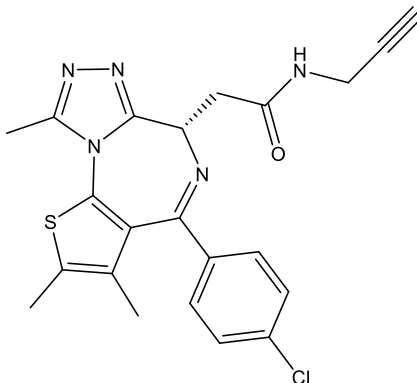
Catalog #10-3657

JQ1-PA

CAS# 2115701-93-2

(S)-2-(4-(4-Chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)-N-(prop-2-yn-1-yl)acetamide; (+)-JQ1 PA

Lot # S108035



JQ1-PA is an alkyne-linked analog of the BET-bromodomain inhibitor JQ1. It can be used to create PROTACs targeting BET-bromodomains by click-conjugating with various E3 ligase ligands. It can also be click-conjugated to fluorescent dyes for imaging applications. JQ1-PA can be used to harness BET-bromodomain nuclear import activity. When conjugated to an antisense oligonucleotide (ASO), it enhances nuclear accumulation which drives increased potency and efficacy of ASOs.²

- 1) Tyler *et al.* (2017), *Click chemistry enables preclinical evaluation of targeted epigenetic therapies*; Science **356** 1397
- 2) Kashyap *et al.* (2025), *Harnessing BET-Bromodomain Assisted Nuclear Import for Targeted Subcellular Localization and Enhanced Efficacy of Antisense Oligonucleotides*; J. Am. Chem. Soc. **147** 29478

PHYSICAL DATA

Molecular Weight:	437.95
Molecular Formula:	C ₂₂ H ₂₀ ClN ₅ OS
Purity:	>98% (TLC)
	NMR: (Conforms)
Solubility:	DMSO (45 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in water may be stored at -20°C for up to 3 months.

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