

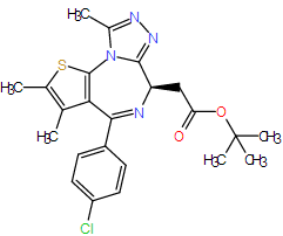
Certificate of Analysis

Target	生物活性小分子>>Epigenetics>>Bromodomain
Cat.No	DC8261
Name	(-)-JQ-1

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Chemical Properties

CAS	1268524-71-5
Formula	C ₂₃ H ₂₅ CLN ₄ O ₂ S
MW	457
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure of (-)-JQ-1 is a complex heterocyclic molecule. It features a central benzimidazole ring system. One nitrogen atom of the benzimidazole is substituted with a methyl group (H₃C). The benzimidazole ring is further substituted with a methyl group (H₃C) and a 4-chlorophenyl group (a benzene ring with a chlorine atom at the para position). The other nitrogen atom of the benzimidazole is substituted with a propyl ester group (-CH₂-CH₂-CH₂-O-C(=O)-CH₂-CH₂-CH₃), where the propyl chain is shown with a wedge bond indicating stereochemistry.</p>
Purity	>98%, ee>99%

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