

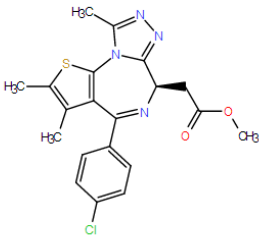
## Certificate of Analysis

Target	生物活性小分子>>Epigenetics>>Bromodomain
Cat.No	DC7682
Name	MS417

Tel: +86-21-58447131  
Fax: +86-21-61642470

Email:  
sales@dcchemicals.com  
order@dcchemicals.com

## Chemical Properties

CAS	916489-36-6
Formula	C <sub>20</sub> H <sub>19</sub> CLN <sub>4</sub> O <sub>2</sub> S
MW	414.9
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure of MS417 is a complex heterocyclic molecule. It features a central benzimidazole ring system. One nitrogen atom of the benzimidazole is substituted with a methyl group (H<sub>3</sub>C). The benzimidazole ring is fused to a thiophene ring, which has two methyl groups (H<sub>3</sub>C) at the 2 and 5 positions. The benzimidazole ring is also substituted with a 4-chlorophenyl group (Cl) and a methyl ester group (-COOCH<sub>3</sub>) at the 2-position. The methyl ester group is shown with a wedge bond, indicating its stereochemistry.</p>
Purity	>98%

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