

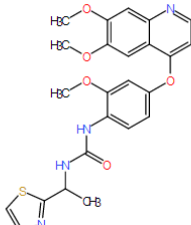
Certificate of Analysis

Target	Inhibitors & Agonists>>Tyrosine Kinase>>c-Fms (CSF1R)
Cat.No	DC7168
Name	Ki20227

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Chemical Properties

CAS	623142-96-1
Formula	C ₂₄ H ₂₄ N ₄ O ₅ S
MW	480.54
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure of Ki20227 is a complex molecule. It features a central benzimidazole ring system. One of the benzimidazole nitrogens is substituted with a methyl group (CH₃). The other nitrogen is part of a five-membered ring containing a sulfur atom. This sulfur-containing ring is further substituted with a methyl group (CH₃). The benzimidazole system is connected via an amide linkage (-NH-C(=O)-) to a para-substituted benzene ring. This benzene ring has two methoxy groups (-OCH₃) at the ortho positions relative to the amide linkage. The benzene ring is further connected via an ether linkage (-O-) to another benzene ring. This second benzene ring has two methoxy groups (-OCH₃) at the ortho positions relative to the ether linkage. The second benzene ring is also connected via an ether linkage (-O-) to a pyridine ring.</p>
Purity	>98%

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www.dcchemicals.com