

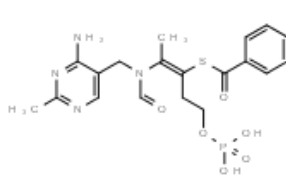
Certificate of Analysis

Target	Inhibitors & Agonists>>Others>>Other Targets
Cat.No	DC22357
Name	Benfotiamine

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

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

Chemical Properties

CAS	22457-89-2
Formula	C ₁₉ H ₂₃ N ₄ O ₆ PS
MW	466.4488
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure of Benfotiamine is shown. It consists of a 4-methyl-5-aminoimidazole ring system connected via a methylene group to a methylene group, which is further connected to a methylene group. This methylene group is attached to a carbon atom that is also bonded to a methyl group and a sulfur atom. The sulfur atom is part of a thioester linkage to a benzoyl group (a carbonyl group attached to a phenyl ring). The carbon atom is also bonded to a phosphorus atom, which is part of a phosphonate group (a phosphorus atom double-bonded to one oxygen and single-bonded to two hydroxyl groups).</p>
Purity	>98%

Website:
www.dcchemicals.com