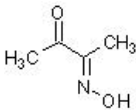


Product datasheet

2,3-Butanedione 2-monoxime (BDM), Non-selective myosin ATPase inhibitor ab120616

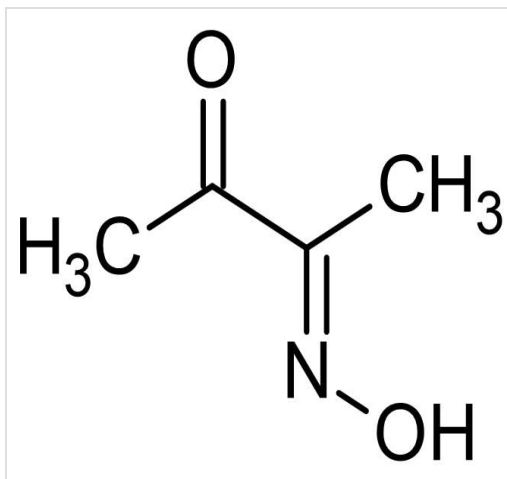
[2 References](#) [1 Image](#)

Overview

Product name	2,3-Butanedione 2-monoxime (BDM), Non-selective myosin ATPase inhibitor
Description	Non-selective myosin ATPase inhibitor
Biological description	Non-selective myosin ATPase inhibitor ($K_i = 5 \text{ mM}$ at myosin II). Potent Kv2.1 (DRK1) and L-Type Ca^{2+} channel inhibitor (K_i and IC_{50} values are 10.7 nM and 5.8 mM , respectively). Blood-brain barrier permeable. Inhibits muscle contraction.
CAS Number	57-71-6
Chemical structure	

Properties

Chemical name	2,3-Butanedione monoxime
Molecular weight	101.10
Molecular formula	$\text{C}_4\text{H}_7\text{NO}_2$
Storage instructions	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic



Chemical Structure - 2,3-Butanedione 2-monoxime
(BDM), Non-selective myosin ATPase inhibitor
(ab120616)

2D chemical structure image of ab120616, 2,3-Butanedione 2-monoxime (BDM), Non-selective myosin ATPase inhibitor

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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