


Certificate of Analysis

Catalog Number	BP12473
Product Name	Rosuvastatin calcium

Physical and Chemical Properties

Synonyms	Rosuvastatin hemicalcium, ZD4522, ZD 4522 Calcium
CAS No.	147098-20-2
Chemical Formula	2(C ₂₂ H ₂₇ FN ₃ O ₆ S)Ca
Molecular Weight	1001.14
Solubility	DMSO: 100 mg/mL (199.77 mM), warmed
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Rosuvastatin, a selective and competitive inhibitor of hepatic hydroxymethyl-glutaryl coenzyme A (HMG-CoA) reductase, has antilipidemic activity.
Targets&IC50	HMG-CoA:11 nM

Analytical Data

HPLC	Shows Min >99% purity
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H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022