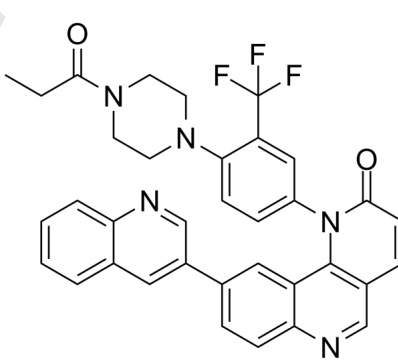


Certificate of Analysis

Catalog Number	BP12393
Product Name	Torin 1

Physical and Chemical Properties

CAS No.	1222998-36-8
Chemical Formula	C ₃₅ H ₂₈ F ₃ N ₅ O ₂
Molecular Weight	607.637
Solubility	DMSO: 2.5 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of Torin 1 is shown. It features a central benzene ring substituted with a 4-ethylpiperidin-1-yl group, a 2,2,2-trifluoroethyl group, and a 1-(4-quinolin-2-ylphenyl)-1H-benzotriazin-4(3H)-one moiety.</p>

Product Information

Description	Torin 1 is an effective inhibitor of mTORC1/2 with (IC ₅₀ : 2 nM/10 nM); has 1000-fold selectivity for mTOR than PI3K.
Targets&IC ₅₀	mTORC1:2 nM, mTORC2:10 nM

Analytical Data

HPLC	Shows Min >99% purity
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

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