



Version	00
Molecular weight	610.71
Quality Test / Release Date	07/15/2019
Molecular Formula	C39 H34 N2 O5
CAS No	132327-80-1
Linear Formula	
Flash Point (°C)	

Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	44064	Quality Test / Release Date 07/15/2019
Lot Number	344088	
Description	N-alpha-FMOC-N-delta-Trityl-L-glutamine, 95%	
Country of Origin	CHINA	
Declaration of Origin	synthetic	

BSE/TSE comment	
------------------------	--

Chemical Comment	
-------------------------	--

Result name	Units	Specifications	Test Value
Appearance (Color)		White to yellow	White
Appearance (Form)		Powder	Powder
Infrared spectrum		Conforms	Conforms
HPLC		≥97.5 %	99.6 %
Specific optical rotation		-12.5° to -15.5° (20°C, 589 nm) (c=1 in DMF)	-14.4° (20°C, 589 nm) (c=1 in DMF)
NMR (1H-NMR)			Consistent with structure



A handwritten signature in black ink, reading "L. Van den Broek".

L. Van den Broek, QA Manager

Issued: 07-16-2019

Acros Organics
 ENA23, zone1, nr 1350, Janssen Pharmaceuticaaan 3a, B-2440 Geel, Belgium
 Tel +32 14/57.52.11 - Fax +32 14/59.34.34 Internet: <http://www.acros.com>
 1 Regent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329