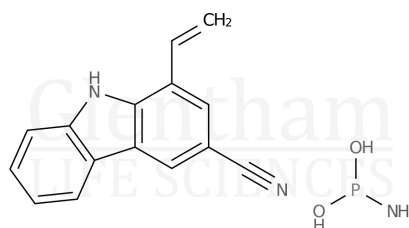


Certificate of Analysis

Product Name	3-Cyanovinylcarbazole phosphoramidite
Glentham Code	GN8887
CAS Number	1157899-72-3
Batch Number	177BKO

Molecular Weight	836.95
Molecular Formula	$C_{50}H_{53}N_4O_6P$
Storage Temp.	-20°C



Property	Specification	Batch 177BKO
Physical Description	White to light-yellow powder	Conforms
Identification (NMR)	To conform to standard	Conforms
Solubility (in 0.1M acetonitrile)	Clear solution	Conforms
Purity (HPLC)	≥ 98.0% (cis+trans)	99.2%
Notes	cis makes up typically 10 - 25 % of product	Conforms

Specification Version	v1.0
Manufacture Date	2018-01-29
Re-Test Date	2021-01-29

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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