



Klivon



Driving
science into
a clever
future.



Uncovering new futures.

We manufacture and supply high purity Research Chemicals and Analytical Reference Standards to the Pharmaceutical companies for all research and analytical purposes.

Our portfolio includes:

High Purity Characterized Standards accompanied by a comprehensive CoA and which can be found in 3 product categories that include a set of different analytical techniques for determining Identity and Purity. Intended for non-compendial methods and applications.

At Klivon you will also find the entire portfolio of pharmacopoeial standards of the European Pharmacopoeia (EP), British Pharmacopoeia (BP) and International Pharmacopoeia, intended to be used strictly for monograph purposes.

1

Impurities Standards

Our range of characterized Impurities Standards includes products suitable for different analytical applications.

2

API Standards

The range includes Research Chemicals as well as High Purity Primary Reference Standards fully characterized.

3

Excipient Standards

Our excipient reference standards are characterized and suitable for use with non-compendial analytical methods.

4

Nitrosamines

Our range of nitrosamine standards includes a variety of products for pharmaceuticals applications.

5

Pharmacopeial Standards

Klivon offers reference standards from EDQM – European Pharmacopoeia (EP), British Pharmacopoeia (BP) and International Pharmacopoeia.

CoA – Certificate of Analysis		Elemental
Identity – Structure Confirmation	¹ H NMR –400 MHz	✓
	¹ H NMR –500 MHz	
	C ¹³ NMR	✓
	FTIR	✓
	MS	✓
	MS – High Resolution	
Purity	HPLC	✓
	NMR-q or Carbon Titration	
	HPLC Purity Range ¹	>95%
	Assay Purity Range ¹	-
	CHN (Elemental Analysis)	
	Ash Content (API only)	
	Residual Solvents	
Others	Karl Fisher or TGA	
	X-ray Diffraction ²	
	DSC/Melting point ²	
	Optical Rotation ²	
Mass Balance	Assay – Formula 100%	
Spectra Interpretation	Remarks (summary)	
	Structural Elucidation (signals inclusion)	

¹Except for very hygroscopic products, custom synthesis, and special products where characterization requires analytical techniques significantly different from those listed in this table.

²When applicable

CoA – Certificate of Analysis		Dynamic
Identity – Structure Confirmation	¹ H NMR –400 MHz	
	¹ H NMR –500 MHz	✓
	C ¹³ NMR	✓
	FTIR	✓
	MS	✓
	MS – High Resolution	
Purity	HPLC	✓
	NMR-q or Carbon Titration	
	HPLC Purity Range ¹	>95%
	Assay Purity Range ¹	>90%
	CHN (Elemental Analysis)	✓
	Ash Content (API only)	
	Residual Solvents	
Others	Karl Fisher or TGA	✓
	X-ray Diffraction ²	
	DSC/Melting point ²	
	Optical Rotation ²	
Mass Balance	Assay – Formula 100%	✓
Spectra Interpretation	Remarks (summary)	✓
	Structural Elucidation (signals inclusion)	

¹Except for very hygroscopic products, custom synthesis, and special products where characterization requires analytical techniques significantly different from those listed in this table.

²When applicable

CoA – Certificate of Analysis		Beyond
Identity – Structure Confirmation	¹ H NMR –400 MHz	
	¹ H NMR –500 MHz	✓
	C ¹³ NMR	✓
	FTIR	✓
	MS	
	MS – High Resolution	✓
Purity	HPLC	✓
	NMR-q or Carbon Titration	✓
	HPLC Purity Range ¹	>97%
	Assay Purity Range ¹	>95%
	CHN (Elemental Analysis)	✓
	Ash Content (API only)	✓
	Residual Solvents	✓
Others	Karl Fisher or TGA	✓
	X-ray Diffraction ²	✓
	DSC/Melting point ²	✓
	Optical Rotation ²	✓
Mass Balance	Assay – Formula 100%	✓
Spectra Interpretation	Remarks (summary)	✓
	Structural Elucidation (signals inclusion)	Opcional

¹Except for very hygroscopic products, custom synthesis, and special products where characterization requires analytical techniques significantly different from those listed in this table.

²When applicable



Klivon Scientific, Lda

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