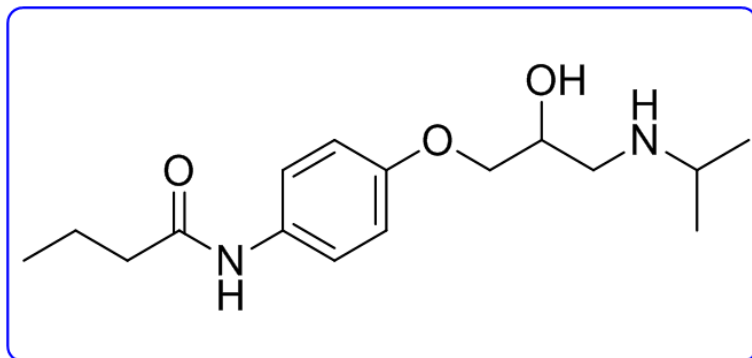


CERTIFICATE OF ANALYSIS

Certified Reference Standard

Acebutolol EP Impurity E

N-[4-[(2RS)-2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]butanamide hydrochloride



Product Number:
CAS Number: N.A.
Lot Number:
Molecular Formula: C₁₆H₂₇ClN₂O₃
Molecular Weight: 330.85 g/mol

Long-term Storage: 2-8 °C
Appearance: Off White Solid
Melting Point: N.A.
Assay Purity: NLT 97%

Sr.#	Test	Results	Data ref.
1	1H NMR	Conform	Report attached
2	Mass	Conform	Report attached
3	IR	Conform	Report attached

Manufacturing Date: August-2017

Expiration Date: August-2019

This certificate is valid for two years from the date of manufacturing provided the substance is stored under the recommended conditions.