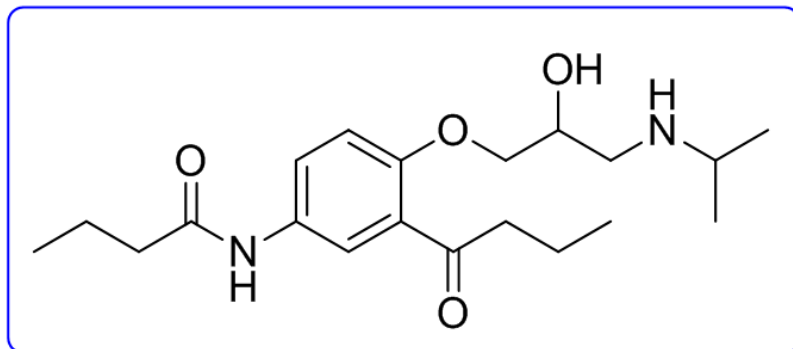


CERTIFICATE OF ANALYSIS

Certified Reference Standard

Acebutolol EP Impurity K

N-[3-Butanoyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl) amino] propoxy] phenyl] butanamide HCl



Product Number:

CAS Number: 57898-71-2

Lot Number:

Molecular Formula: C₂₀H₃₃ClN₂O₄

Molecular Weight: 400.94 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.