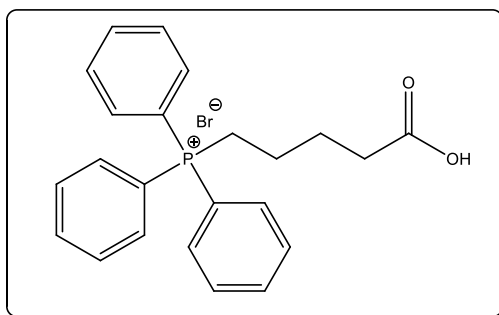
	<b>VISHWA-SYNTHARO PHARMACHEM</b>		Rev: 00
	<b>SPECIFICATIONS</b>		
	(4-Carboxybutyl)triphenylphosphonium bromide	CTB	Date: September 2024



<b>IUPAC Name:</b>	(4-Carboxybutyl)triphenylphosphonium bromide	<b>Pharmacopeial Standard (if any):</b>	N/A
<b>CAS #:</b>	17814-85-6	<b>Specification based on:</b>	In-house
<b>Formula:</b>	C <sub>23</sub> H <sub>24</sub> O <sub>2</sub> PBr	<b>Mol. Wt.:</b>	443.31

	TESTS	SPECIFICATION	TEST METHOD
1.	<b>Appearance</b>	White to off-white solid	STP-QC-001
2.	<b>Identification</b>		
	<b>Retention time</b> (by HPLC)	Retention time of the major peak in the chromatogram corresponds to that of the standard	STP-QC-012
	Melting Range (°C)	Report Result (Lit 205-207 °C)	STP-QC-006
3.	<b>Solubility</b> (5% in 95% Ethanol)	Clear, Colourless to Yellow Solution	STP-QC-243
4.	<b>Purity</b> (by HPLC; % area)	NLT 98.0 %	STP-QC-243
5.	<b>Assay</b> (by titration)	97.5 – 102.5 %	STP-QC-243
6.	<b>Loss on Drying</b> (% w/w)	NMT 1.0 %	STP-QC-005
7.	<b>Water content</b> (% w/w)	NMT 1.0 %	STP-QC-004