



## N, N, N", N" - Tetramethyl-p-phenylenediamine dihydrochloride

Oxidizable compound

N, N, N", N" – Tetramethyl-p-phenylenediamine Dihydrochloride that known as TMPPD, is an oxidizable compound that can be used as reducing so-substrate for heme peroxidases. It also used as test reagent in microbiology for determination of cytochrome oxidase positive microorganisms. TMPPD can be used for detection of peroxidases on polyacrylamide gel.

Cat. Number	ASC-1010
CAS Number	637-01-4
MDL Number	MFCD00012482
PubChem	310280816
Molecular Weight	237.17 gr/mol
Molecular Formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> . 2HCl
Storage Temperature / Condition	20°C / Keep away from light and strong oxidizing agents
Form and Color	Powder or solid / White to grey or brown
Solution Appearance (5 % in water)	Clear to slightly turbid solution
Solubility	Soluble in Dimethyl sulfoxide (DMSO) / Water / Phosphate buffered saline (pH 7.2)
Assay	≥ 97 %
Synonym	TMPPD / Wursters reagent / TMPD hydrochloride / 1,4-Bis(dimethylamino)benzene dihydrochloride / wurster's blue dihydrochloride