

COMPARISON OF CHARACTERISTICS AND PERFORMANCE OF TPA/SERINE PROTEASE CHROMOGENIC SUBSTRATE 5-CHROM-88

	5-DIAGNOSTICS	Chromogenix
Product name	5-CHROM-88	S-2288
Product reference	5D-30812	
Specificity	Chromogenic substrate for tPA	Chromogenic substrate for tPA
Peptide sequence	H-D-Ile-Pro-Arg-pNA.2HCl	H-D-Ile-Pro-Arg-pNA.2HCl
Chemical name	H-D-isoleucyl-L-propyl -L-arginine-para-nitroaniline dihydrochloride	H-D-isoleucyl-L-propyl -L-arginine-para-nitroaniline dihydrochloride
Molecular weight	504.6 D (without HCl)	577.6 D (with HCl)
Presentation	25 mg per vial	25 mg per vial
Molarity	~ 49.5 µmol /vial	-
Bulking agents	Mannitol (60 mg/vial)	Mannitol
Purity grade	> 95% (RP-HPLC)	-
Solubility	> 40 mmol/L in water	> 40 mmol/L in water

Free pNA content	< 0.5%	NA
Stability of lyophilized product	Stable until indicated expiration date when stored at 2-8°C protected from light and moisture	Stable until indicated expiration date when stored at 2-8°C protected from light and moisture
Stability of reconstit. product	7 days at RT 2 months at 2-8°C	7 days at RT approx. 3 months at 2-8°C
Suitable stock solution	10 mM in water	corresponds
Kinetic data	same characteristics	
Applications	research studies and protocols for which a chromogenic substrate for tPA and a broad range of serine proteases is needed	corresponds