

## InP/ZnS water soluble core/shell nanocrystals

**Description:** water soluble InP/ZnS nanocrystal is a group of water soluble alloy InP/ZnS core/shell quantum dots with 3-Mercaptopropionic acid ligand. The reactive group is carboxylic acid. The size of the InP/ZnS nanocrystals is about 4~5nm by the TEM. Water soluble InP/ZnS nanocrystal is stable in most buffer solution with the pH range of 7~9.

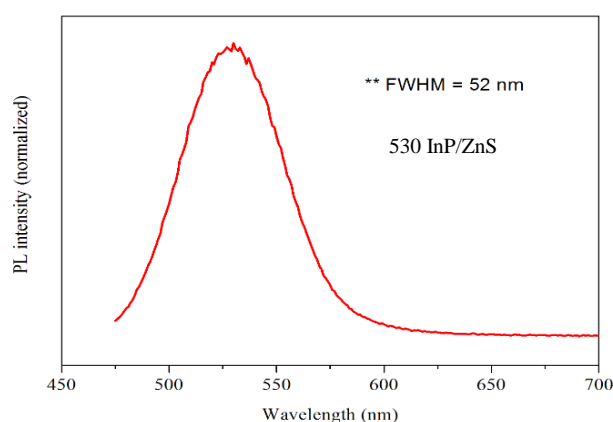
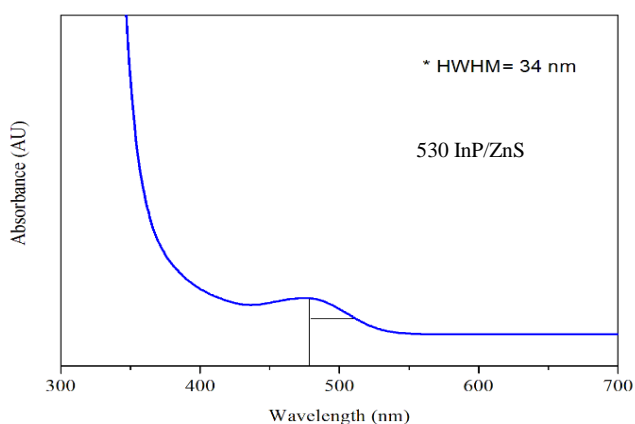
**Product name:** InP/ZnS water soluble core/shell nanocrystals  
**Catalog number:** GW01-GW07  
**Solvent:** DI H<sub>2</sub>O  
**Reactive group:** Carboxylic acid  
**Buffer Stability:** Borate, Tris, HEPES, PBS, MES etc  
**pH stability:** 7~9  
**Storage:** 4-25°C; Do not freeze  
**Shelf life:** 6 months

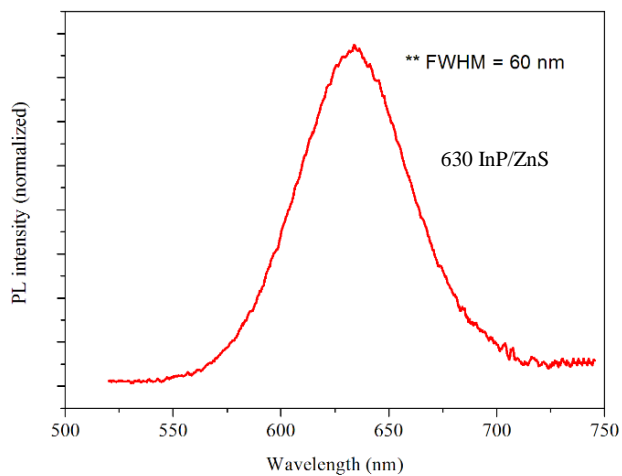
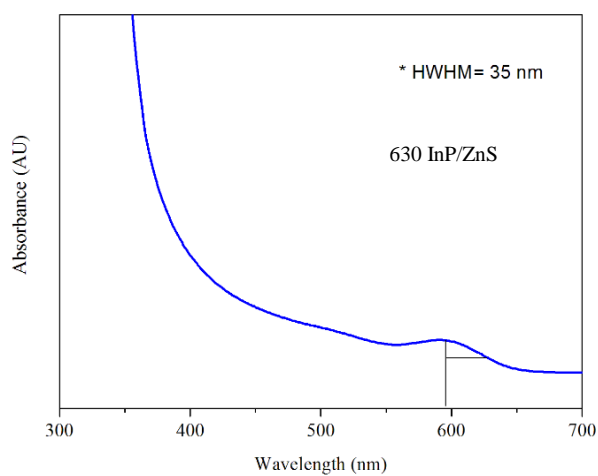
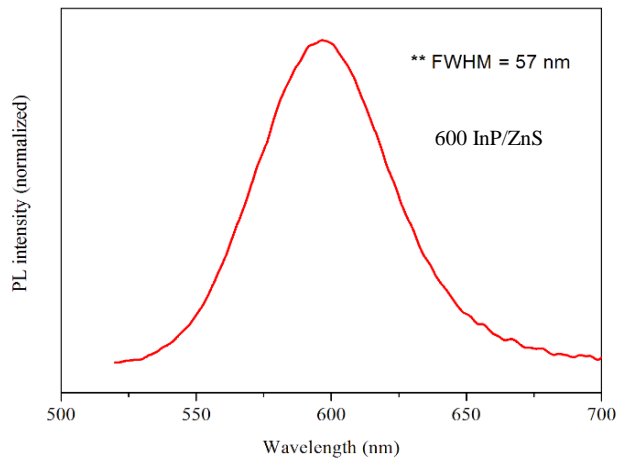
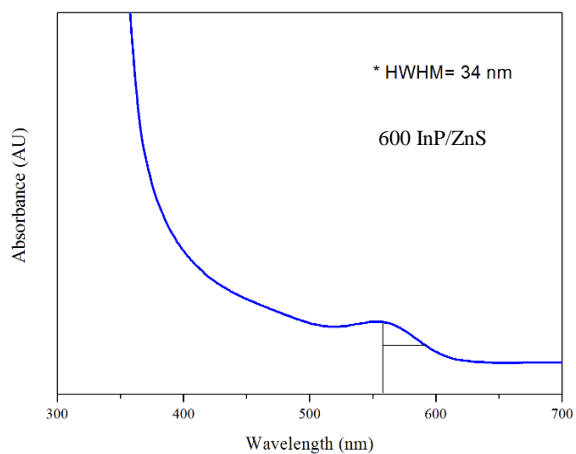
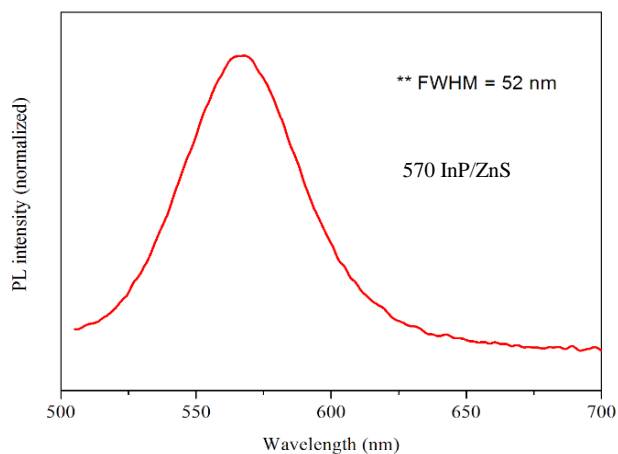
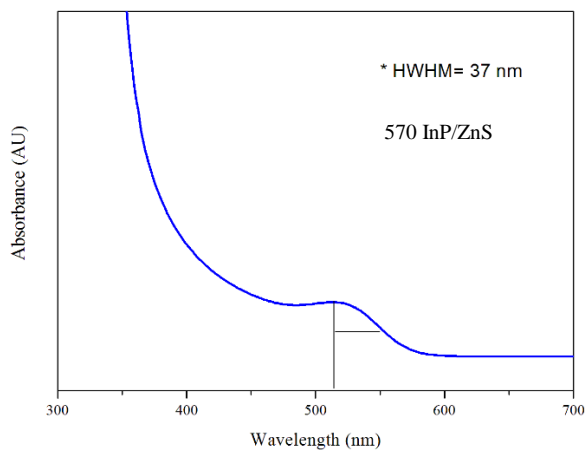
Emission peak/nm	FWHM/nm	Structure	Reactive group
530±10	<60	InP/ZnS/MPA	Carboxylic acid
570±10	<60	InP/ZnS/MPA	Carboxylic acid
600±10	<60	InP/ZnS/MPA	Carboxylic acid
630±10	<60	InP/ZnS/MPA	Carboxylic acid
650±10	<60	InP/ZnS/MPA	Carboxylic acid

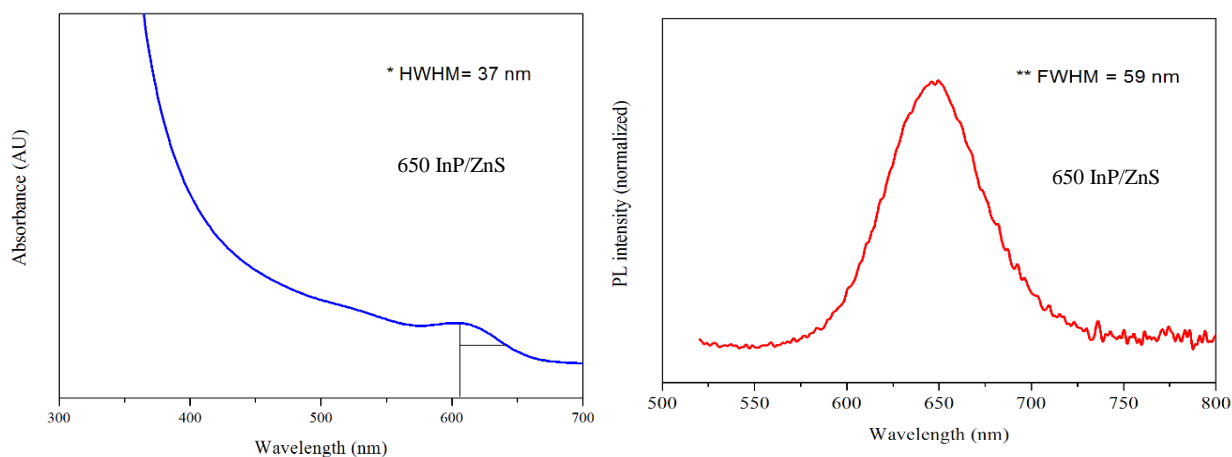
\*\*FWHM means Full Width of Half Maximum

\*\*\*MPA represent for 3-Mercaptopropionic acid

### Spectra:







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