Biodegradation of 2-chloro-4-nitrophenol via a hydroxyquinol pathway by a gram-negative bacterium, *Cupriavidus* sp. strain CNP-8

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Table S1 Degradation capability of strain CNP-8 for various nitrophenols.

| Nitrophenols | Utilization of nitrophenols as carbon and nitrogen sources by strain CNP-8 |
|--------------|--------------------------------------------------------------------------------|
|              | Decolourization of MSM agar plate containing 0.3 mM of nitrophenol(s) | Growth on liquid MSM containing 0.3 mM of nitrophenol(s) |
| 2C4NP        | +                                                                   | +                                                                 |
| 2C5NP        | +                                                                   | +                                                                 |
| 4C2NP        | -                                                                   | -                                                                 |
| 5C2NP        | -                                                                   | -                                                                 |
| MNP          | +                                                                   | +                                                                 |
| PNP          | -                                                                   | -                                                                 |
Fig. S1 HPLC identification of the intermediates of 2C4NP degradation by strain CNP-8.
Fig. S2 Mass spectra of the acetylated derivatives of the intermediates during 2C4NP degradation by strain CNP-8. (A) Acetylated derivative of authentic CHQ. (B) Acetylated metabolite I. (C) Acetylated derivative of authentic BT. (D) Acetylated metabolite II.
Fig. S3 Transformation of 2C4NP (A) and BT (B) by the cell extract of 2C4NP-induced strain CNP-8.