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DFP-induced mitophagy experiments

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We use this protocol and it's working

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Abstract

This protocol details the DFP-induced mitophagy experiments.

Materials

Deferiprone (DFP) (379409, Sigma Aldrich)

 3-Hydroxy-1,2-dimethyl-4(1H)-pyridone Merck MilliporeSigma (Sigma-Aldrich) Catalog #379409



DFP-induced mitophagy

2d

1 To induce mitophagy,

1d

- Treat the cells for  24:00:00 with  1 millimolar (mM) Deferiprone (DFP) (379409, Sigma Aldrich), an iron chelator that mimics hypoxic conditions through stabilization of the transcription factor HIF1 α and subsequent upregulation of NIX and BNIP3.

2 Freshly dissolve the compound in sterile dH₂O on the day itself and boil for

1m

 00:01:00 at  95 °C to dissolve the compound.

