

Resource Summary Report

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Bruker: Avance III HD Ascend 850 MHz NMR Spectrometer

RRID:SCR_028484

Type: Tool

Proper Citation

Bruker: Avance III HD Ascend 850 MHz NMR Spectrometer (RRID:SCR_028484)

Resource Information

URL: <https://ccic.osu.edu/nuclear-magnetic-resonance/nmr-instruments#:~:text=Bruker%20Avance%20III%20HD%20Ascend%20850%20MHz>

Proper Citation: Bruker: Avance III HD Ascend 850 MHz NMR Spectrometer (RRID:SCR_028484)

Description: High-field nuclear magnetic resonance (NMR) spectrometer manufactured by Bruker Corporation with Console Brand: Avance III HD, Magnet Brand: Ascend and Field Strength: 850 MHz. Equipped with a cryo-cooled probe that cools the electronics with liquid helium or nitrogen to reduce thermal noise and boost signal sensitivity. Software: TopSpin 3.7 running on CentOS 7; Probe: 5mm Triple-resonance Inverse (TCI) cryoprobe with Z-Gradients; Features: Temperature controlled SampleCase (up to 24 samples), Nitrogen Liquefier, Dual-Receiver, High-sensitivity ¹H & ¹³C. Used in structural biology, chemistry, and materials science to determine the molecular structure, dynamics, and interactions of complex molecules.

Synonyms: , Avance III HD Ascend 850 MHz, Avance III HD Ascend 850 MHz NMR Spectrometer

Resource Type: instrument resource

Keywords: NMR, spectrometer, nuclear magnetic resonance,

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_028484.pdf

Resource Name: Bruker: Avance III HD Ascend 850 MHz NMR Spectrometer

Resource ID: SCR_028484

Alternate IDs: Model_Number_Avance_III_HD_Ascend_850

Alternate URLs: <https://people.ohioinnovationexchange.org/equipment/1696073>

Record Creation Time: 20260529T042811+0000

Record Last Update: 20260912T200552+0000

Ratings and Alerts

No rating or validation information has been found for Bruker: Avance III HD Ascend 850 MHz NMR Spectrometer.

No alerts have been found for Bruker: Avance III HD Ascend 850 MHz NMR Spectrometer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.