

**EXPORT LICENSE**

NRC FORM 250  
(10-07)

**UNITED STATES OF AMERICA**  
Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC LICENSE NO.: XMAT438

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DOCKET NO.: 11006253

LICENSE EXPIRES: February 1, 2022


Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission (NRC) issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

<p align="center"><b>LICENSEE</b></p> <p>Sigma-Aldrich Co. LLC 3050 Spruce Street St. Louis, MO 63103</p> <p>Attn: Jared Fenton</p>	<p align="center"><b>ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p>H. Lundbeck A/S Lumsas Oddenvej 182 Lumsas 4500 Nykobing SJ/-elland Denmark</p> <p>(for various non-nuclear research purposes)</p>
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<p align="center"><b>INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</b></p> <p align="center">None</p>	<p align="center"><b>OTHER U.S. PARTY(IES) TO EXPORT</b></p> <p align="center">See page 2</p>
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APPLICANT'S REFERENCE NO.: Appl. Dated 12/20/2016      ULTIMATE DESTINATION(S): Denmark

<p align="center"><b>QUANTITY(IES)</b></p> <p align="center">2,000 kilograms</p>	<p align="center"><b>DESCRIPTION OF MATERIAL(S) OR FACILITY(IES)</b></p> <p>Deuterium in the form of deuterated compounds, deuterium oxide, and deuterium gas.</p>
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<p>Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.</p> <p>This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the NRC.</p>	<p align="center"><b>THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE</b></p> <p>SIGNATURE: </p> <p>NAME AND TITLE: David L. Skeen, Deputy Director Office of International Programs</p> <p>DATE OF ISSUANCE: <u>MAR 23 2017</u></p>
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**OTHER PARTY(IES) TO THE EXPORT:**

Aldrich Chemical Co., LLC  
6000 N. Teutonia Avenue  
Milwaukee, WI 53209

(supplier)

Aldrich Chemical Co., LLC  
3858 Benner Road  
Miamisburg, OH 45342

(supplier)

Aldrich Chemical Co., LLC  
6950 Ambassador Drive  
Allentown, PA 18106

(supplier)

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