

## 产品分析证书 Certificate of Analysis

### 产品信息(Product Information)

产品编号 (CAT No.): C10074

中文名称: 1,3-丙二醇

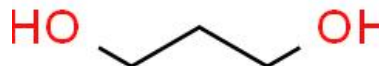
English Name: 1,3-Propanediol

CAS No.: 504-63-2

分子式 (M. F.): C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>

分子量 (M. W.): 76.0944213867188

批号 (Batch No.): C26100741023



### 检测项目及结果 (Specifications&results)

检验项目 (Test Item)	检验规格 (Specifications)	检验结果 (Results)
颜色 Color	无色透明 (Colorless transparen)	无色透明 (Colorless transparen)
外观 Appearance	油状液体 (oil liquid)	油状液体 (oil liquid)
纯度 Purity	98%	Conforms
质谱 Mass	Comply with the structure	Conforms
核磁 NMR	Comply with the structure	Conforms

贮存条件 (Storage): 2~8°C, protected from light, keep package airtight. <-15°C when not in use for a long time. (密封保存, 置于阴凉干燥处, 长期不使用最好放置于-15°C以下环境中)

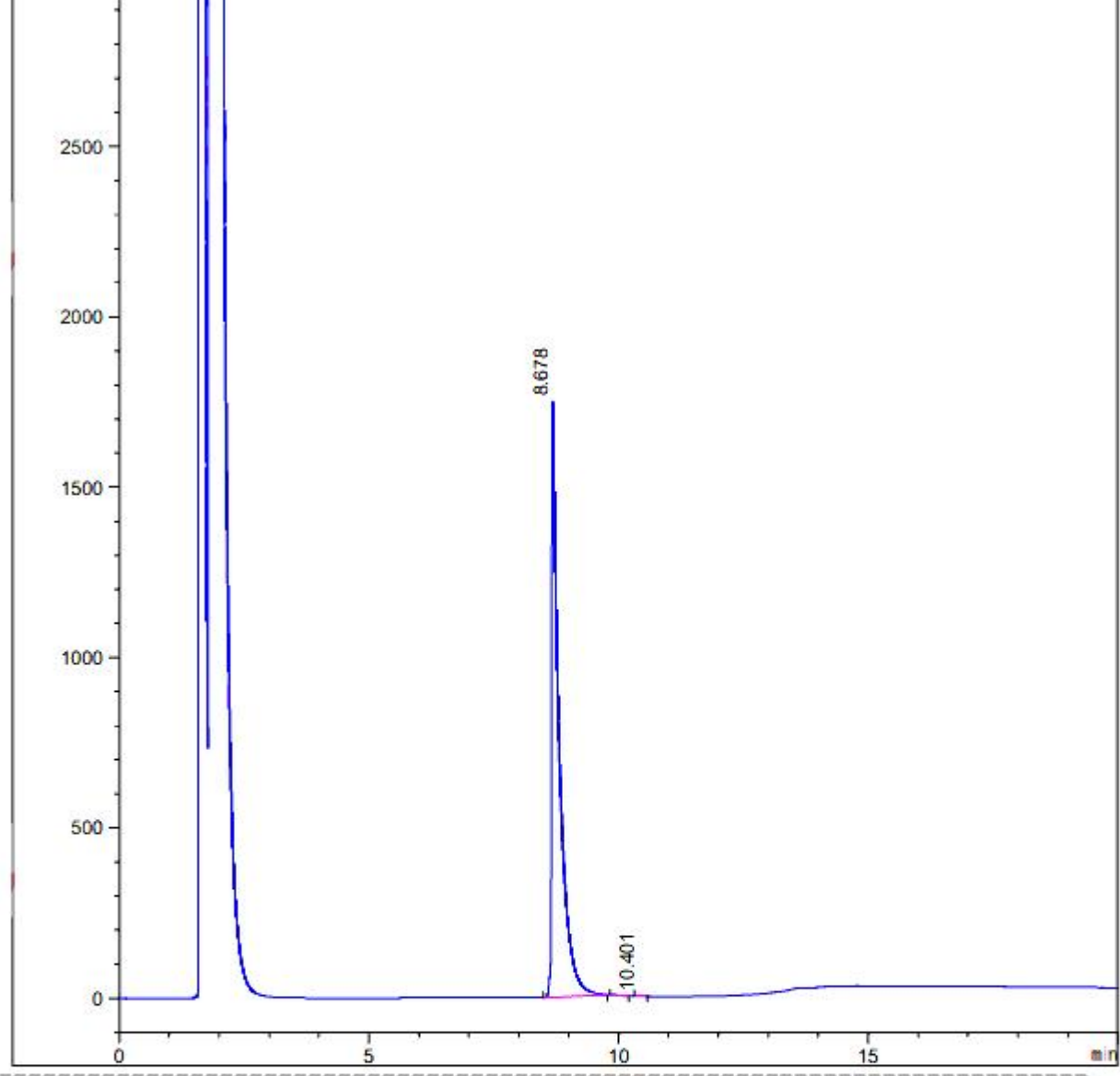
温馨提示 (Reminder): The sample solutions should be prepared immediately before use. (请现配现用)



QA: Chao Zhang

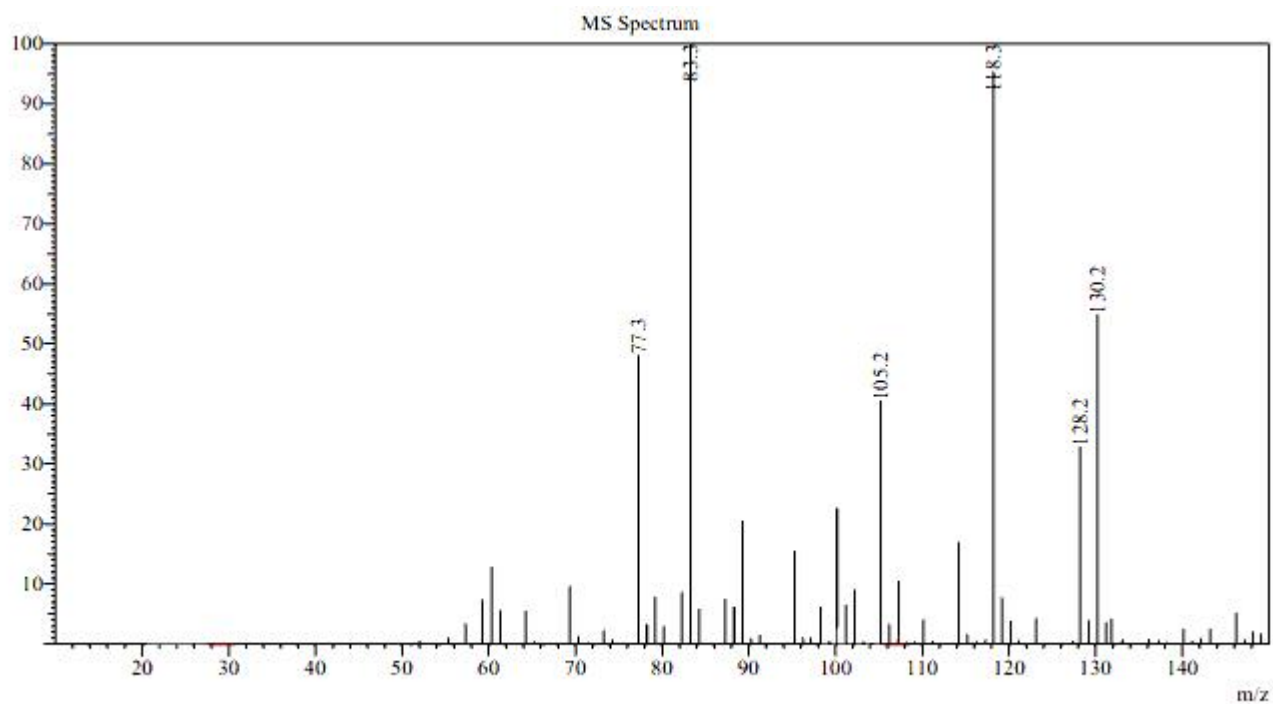
产品售后 (After-sale service): In case of quality issue, please contact us within 15 days after receipt of the product. (若对于我们的产品质量有任何疑问, 请于收到货后 15 天内联系我们)

(We appreciate you much when publishing your paper and marking the chemical purchase from Naturewill Biotechnology Co., Ltd. (Chengdu, China) 当发表论文时, 请您标注化合物购买于四川恒诚致远生物科技有限公司, 非常感谢您的支持。)



Signal 1:

RT [min]	Type	Area %	Area	Height	Width [min]
8.678	BB	99.918	1.814e4	1.749e3	0.133
9.898	BB	0.041	7.409	1.541	0.062
10.401	BB	0.041	7.466	1.245	0.078



$^1\text{H NMR}$  (400 MHz,  $\text{CHCl}_3$ - $d$ )  $\delta$  ppm 1.83 (quin,  $J=5.66$  Hz, 2 H) 2.55 (br. s., 2 H) 3.86 (t,  $J=5.69$  Hz, 4 H)

