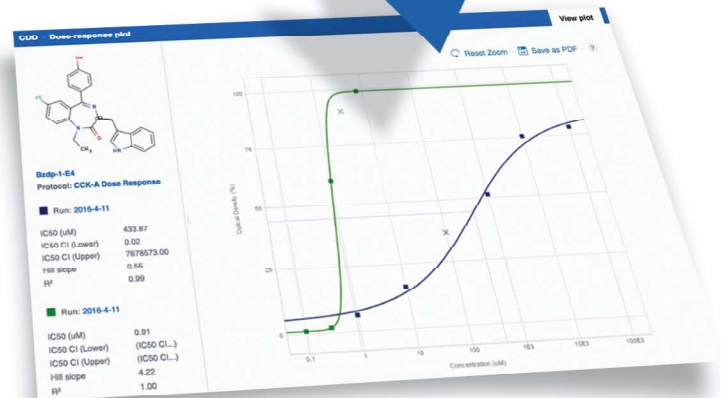
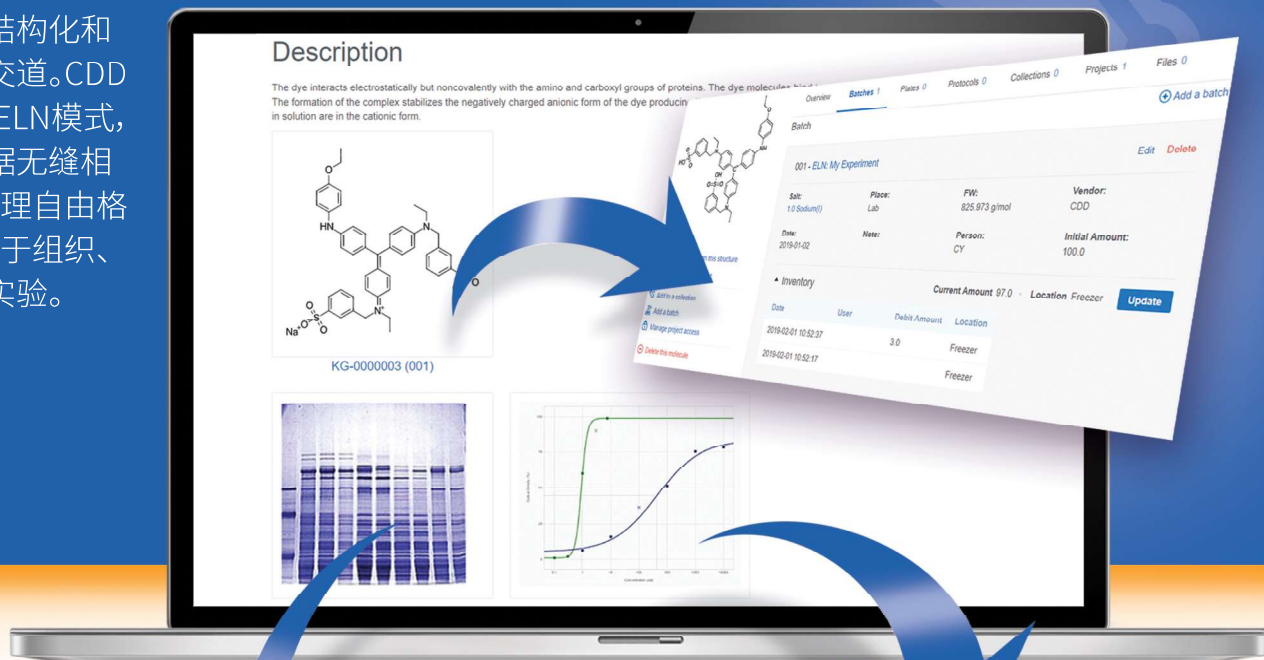




电子实验室笔记本

将所有数据纳入一个平台

科学家们每日与结构化和非结构化数据打交道。CDD Vault采用灵活的ELN模式，并与化学注册数据无缝相连，从而能完美处理自由格式实验文件，更易于组织、交叉检索和分析实验。



告别数据丢失

不再使用散页纸张、过时的表格或丢失的邮件附件

保护您的知识产权

将知识产权安全存储于托管系统，权限控制简便易行。

实验价值最大化

跨时间、跨学科搜寻和检索信息，减少重复工作量。

电子实验室笔记本

协作助力加速发现

为药品发现团队开发设计, CDD Vault 电子实验室笔记本具有多项功能, 能够帮助化学家和生物学家有效管理项目。

即刻启动和运行

无需参加长达一周的培训或花大量时间设置调试。







当即提高效能。

您的笔记本, 您做主

登记化学品、序列号或实验室耗材, 插入图片、方案或超级链接, 注解图片, 输入检测结果。

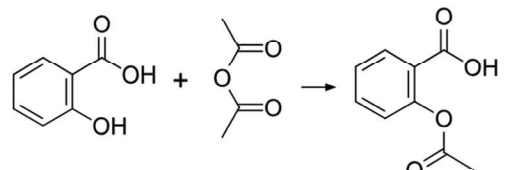
随心所用。

获取定制演示!
eln.cddvault.com







Normal Text | B | I | U |      

Synthesis of Aspirin

The synthesis of aspirin is classified as an esterification reaction. Salicylic acid is treated with acetic anhydride, an acid derivative, causing a chemical reaction that turns salicylic acid's hydroxyl group into an ester group (R-OH → R-O-CO-CH₃). This process yields aspirin and acetic acid, which is considered a byproduct of this reaction. Small amounts of sulfuric acid (and occasionally phosphoric acid) are almost always used as a catalyst.

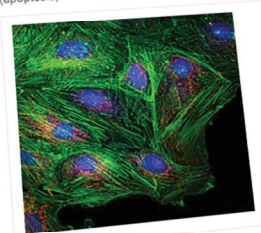
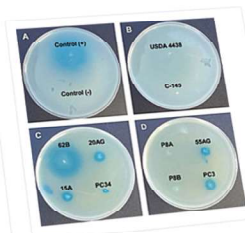

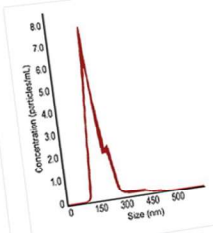


Name	Properties	Amounts	Calculation
Salicylic acid C ₇ H ₆ O ₃	Molar mass: 138.121 g/mol	Mass: 2.00 g	Limiting reagent Equivalent: 1 Mole: 14.5 mmol
Acetic anhydride C ₄ H ₆ O ₃	Molar mass: 102.09 g/mol Density: 1.08 g/cm ³	Mass: 5.40 g Volume: 5.00 mL	Equivalent: 3.65 Mole: 52.9 mmol Effective mole: 14.5 mmol
Aspirine C ₉ H ₈ O ₄	Molar mass: 180.157 g/mol	Mass: 2.00 g Purity: 98 %	Equivalent: 1 Mole: 10.9 mmol Expected mass: 2.01 g

Header | B | I | U |      

Cytotoxicity

Treating cells with the cytotoxic compound can result in a variety of cell fates. The cells may undergo necrosis, in which they lose membrane integrity and die rapidly as a result of cell lysis. The cells can stop actively growing and dividing (a decrease in cell viability), or the cells can activate a genetic program of controlled cell death (apoptosis).

Sample Data MoleculesBatches.csv

“

ELN帮助我们的工作取得顺利进展, 它非常简便易用, 具备我们所需要的所有核心功能, 其与Vault数据库的兼容便利了我们数据收集和研究报告管理的工作。

”

Matthew Welsch, 博士
 首席科学家
 Kleo医药公司