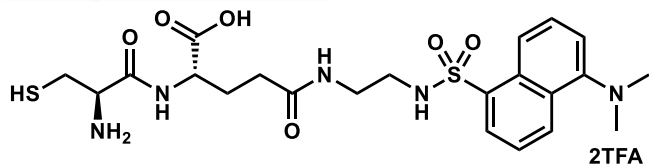


Trapping Reagents



Specification,
Stock status

CysGlu-Dan

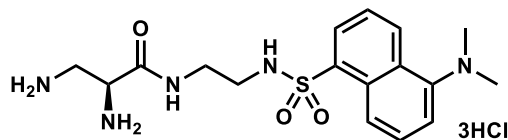


Product code	R00846	Price	10mg	\$375
CAS RN	2941222-88-2		50mg	\$1,500
			100mg	\$2,667

For the detection of CYP-dependent reactive metabolites

Detectable both "hard" and "soft" reactive metabolites

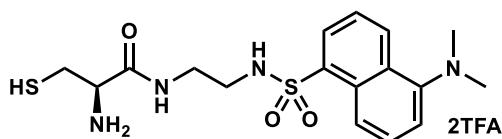
Dap-Dan



Product code	R00845	Price	10mg	\$134
CAS RN	2784651-18-7		50mg	\$400
			100mg	\$717

For the detection of reactive acyl glucuronides

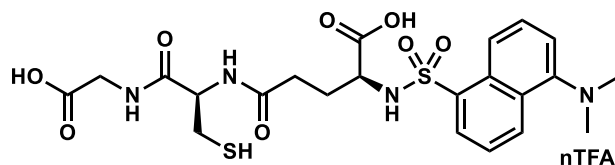
Cys-Dan



Product code	R00847	Price	10mg	\$250
CAS RN	2941222-89-3		50mg	\$1,000
			100mg	\$1,667

For the detection of reactive acyl-CoA

Dansyl-GSH



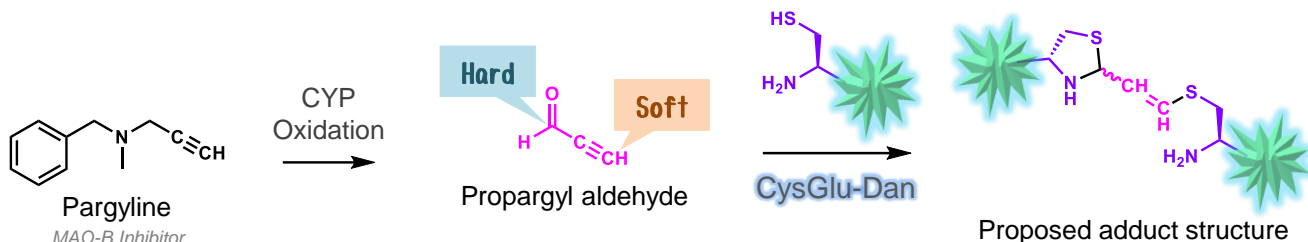
Product code	R02168	Price	10mg	\$225
CAS RN	75017-02-6		50mg	\$750
			100mg	\$1,167

For the detection of CYP-dependent reactive metabolites

Detectable only "soft" reactive metabolites

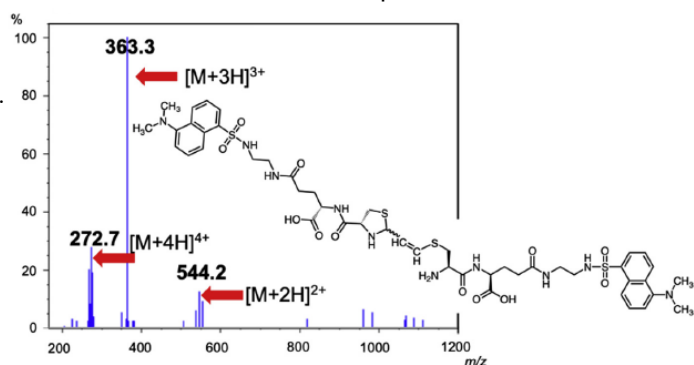
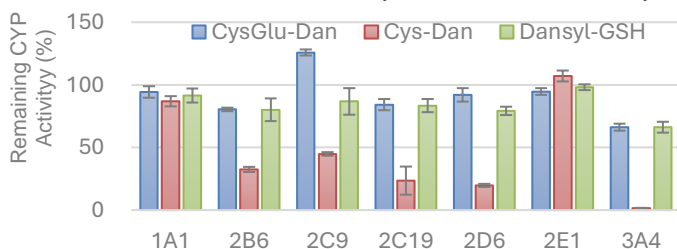
CysGlu-Dan

CysGlu-Dan can be used in the replacement of Dansyl-GSH as a detection reagent. While Dansyl-GSH can only detect reactive metabolites with "soft" electrophilicity, CysGlu-Dan can also detect reactive metabolites with "hard" electrophilicity.



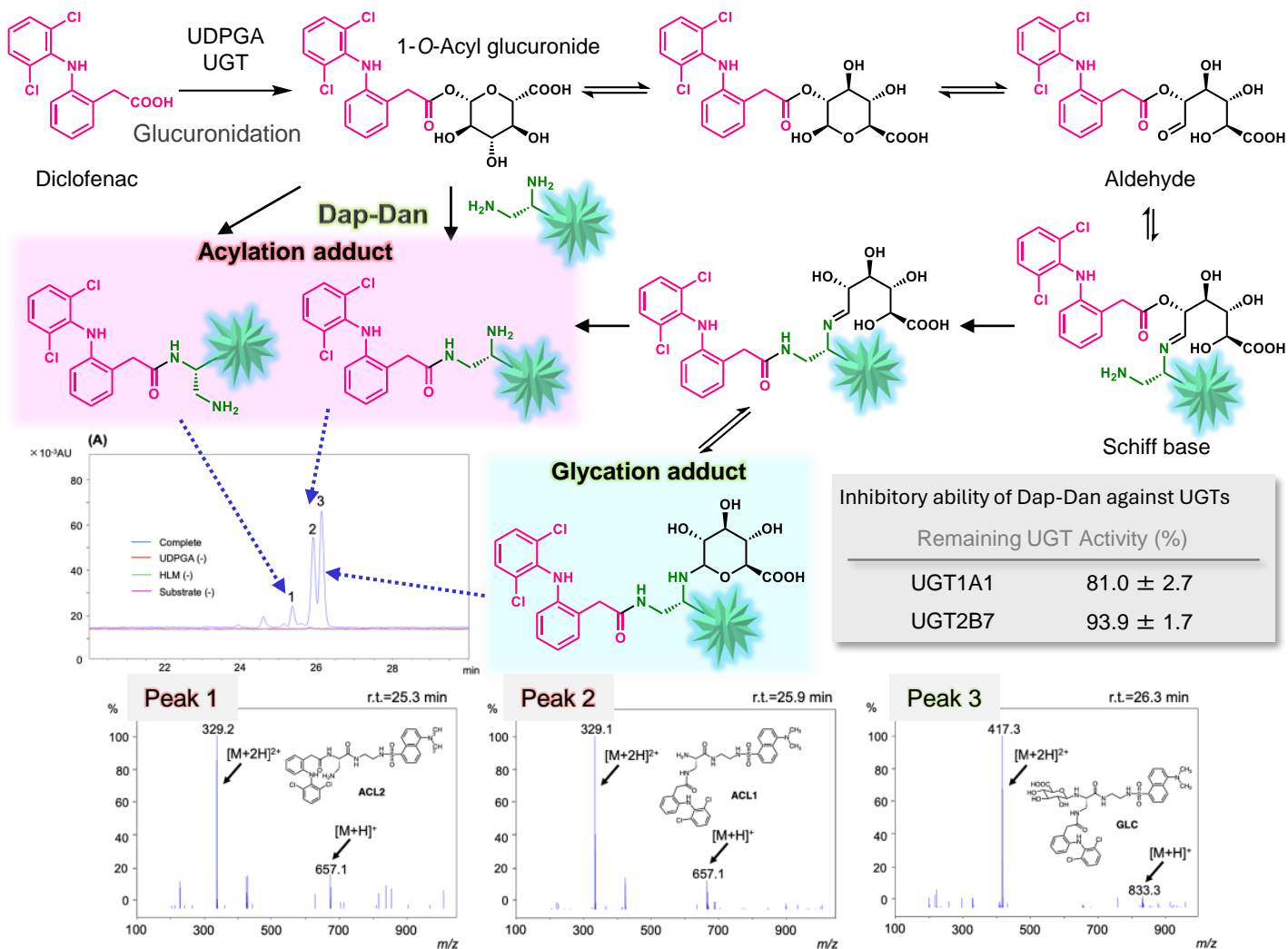
CYP inhibition profile of each trapping reagent

Profile of CysGlu-Dan is similar to Dansyl-GSH.



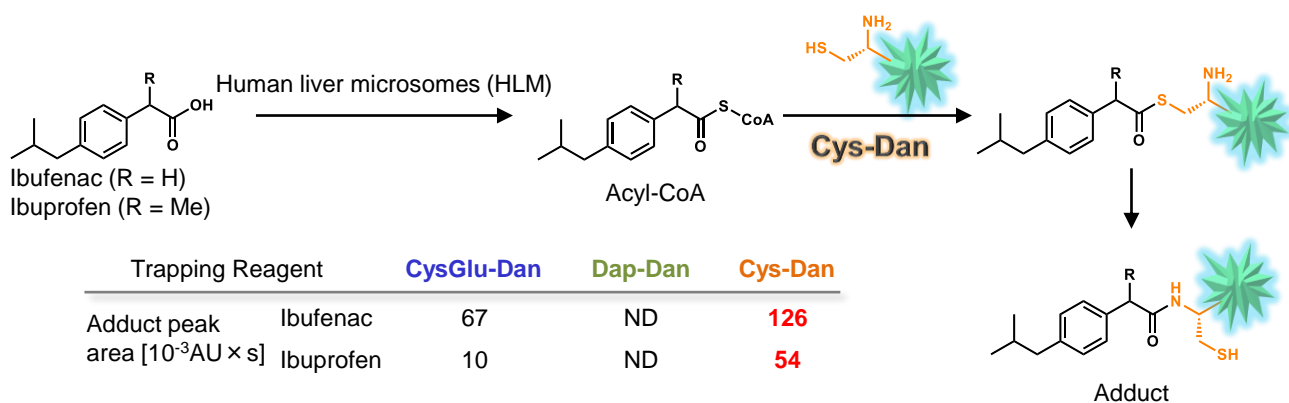
Dap-Dan

Acyl glucuronides are trapped with Dap-Dan and can be detected as acylation and/or glycation adducts of Dap-Dan.



Cys-Dan

Reactive acyl-CoAs are trapped with Cys-Dan and can be detected as the adduct.



参考文献

- Shibazaki C. Ohe T. Takahashi K. Nakamura S. Mashino T. Development of fluorescently-labeled trapping reagents based on cysteine to detect soft and hard electrophilic reactive metabolites. *Drug Metab. Pharmacokinet.* 2021, 39, No. 100386.
- Shibazaki C. Mashita O. Takahashi K. Nakamura S. Mashino T. Ohe T. Development of a Fluorescent-Labeled Trapping Reagent to Detect Reactive Acyl Glucuronides. *Chem. Res. Toxicol.* 2021, 34, 2343-2352.
- Shibazaki C. Mashino T. Ohe T. Development of a fluorescently-labeled trapping reagent to evaluate the risk posed by acyl-CoA conjugates. *Drug Metab. Pharmacokinet.* 2023, 52, No. 100509.

