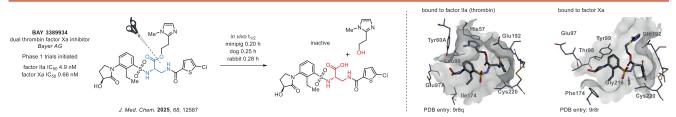
# **Metabolic Soft Spot**

## Introduction

The concept of "soft" drugs involves the controlled degradation of substances to treat acute conditions that require a rapid onset and temporary action.<sup>1</sup> Recently, researchers at Bayer AG developed a dual factor IIa/Xa inhibitor featuring an ester bond as a soft spot for the clearance of the substance from plasma through ester bond hydrolysis. These esters, based on the molecular structure of diaminopropionic acid, demonstrated a half-life of 0.2-0.3 hours *in vivo*, supporting the advancement of the optimized molecule (BAY 3389934) to clinical trials.<sup>2</sup> Explore our collection of diaminopropionic acid derivatives to construct your molecules!



## **Case study**



#### We offer: over 100 compounds based on diaminopropionic acid skeleton from stock on 5-10 gram scale.

Me <sub>2</sub> N CO <sub>2</sub> H NHFmoc	H <sub>2</sub> N , CO <sub>2</sub> H	FmocHN T CO <sub>2</sub> H		H <sub>2</sub> N H <sub>2</sub> N HFmoc	N <sub>3</sub> NHFmoc	FmocN Me NHBoc
EN300-341836	EN300-26975820	EN300-7352573	EN300-7352572	EN300-12630351	EN300-3438163	EN300-37332123
H <sub>2</sub> N NMe <sub>2</sub>	F <sub>3</sub> C	N= HN Me	Me <sub>2</sub> N N CO <sub>2</sub> H	N=N NHBoc	N NMe2	H <sub>2</sub> N CO <sub>2</sub> H
EN300-37453939	EN300-83044	EN300-81602	EN300-6479110	EN300-7535384	EN300-111345	EN300-52426305
	NHFmoc			FmocN NHBoc	F F N NHFmoc	O₂N
EN300-26678082	EN300-650287	EN300-650354	EN300-7462168	EN300-27122195	EN300-650952	EN300-37384865
MeN , CO <sub>2</sub> H	BocN CO <sub>2</sub> H	HO NH2 CO2H	BocNJ+CO <sub>2</sub> H NMeFmoc	HN CO <sub>2</sub> Me NHBoc	H <sub>2</sub> N H <sub>2</sub> CO <sub>2</sub> H	Me Me CO <sub>2</sub> H
EN300-45637396	EN300-1556545	EN300-7441551	EN300-781665	EN300-47306363	EN300-37395095	EN300-26664423
N CO <sub>2</sub> H	Me CO2H	Me N N N CO <sub>2</sub> H	Me N CO <sub>2</sub> H	Br	N NH <sub>2</sub> CO <sub>2</sub> H	

EN300-153100

### References

EN300-1440087

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EN300-154712

EN300-136049

2. H. Beck et al. J. Med. Chem. 2025, 68, 12687.



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