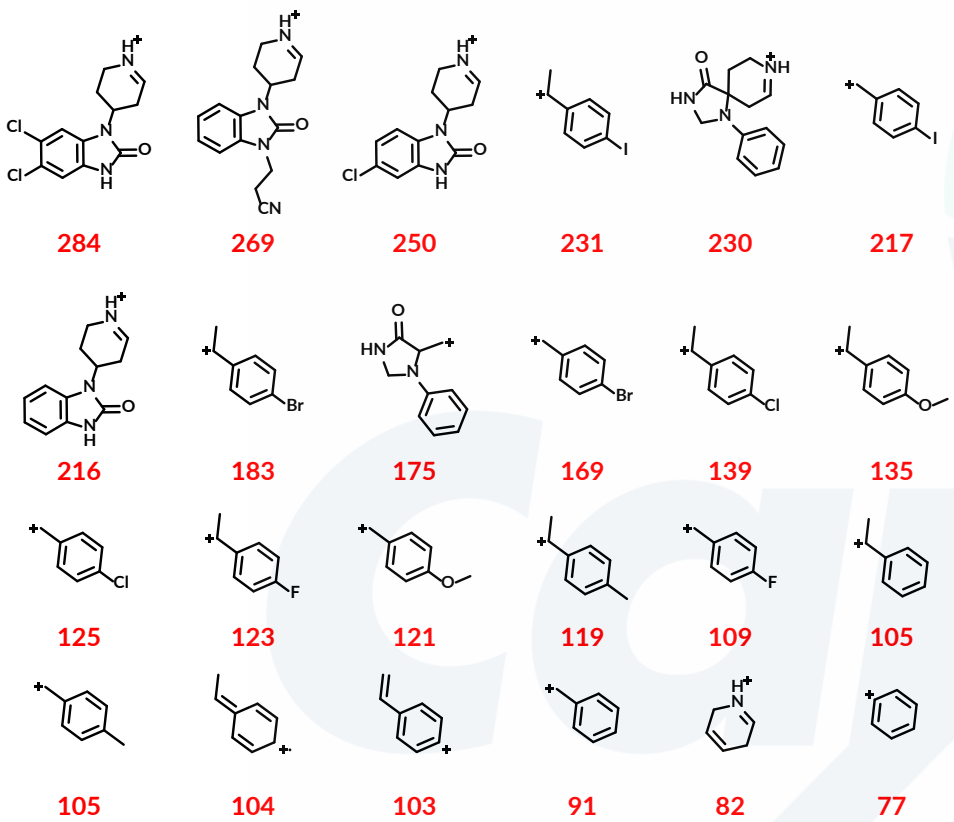
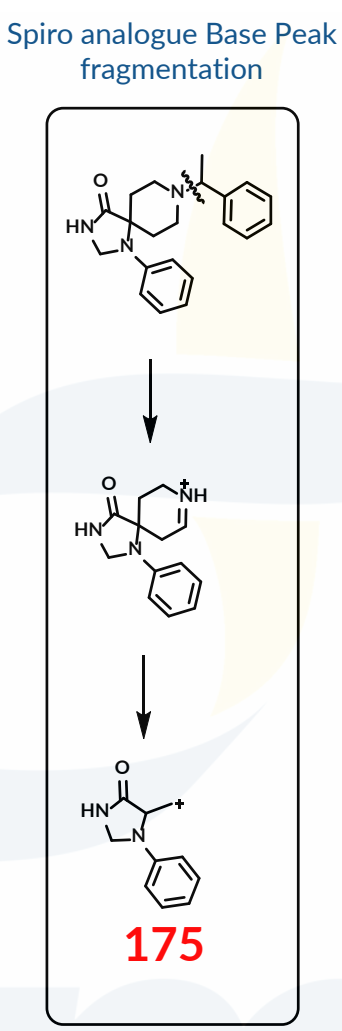
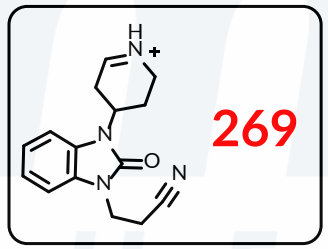
Orphine EI-MS Cheat Sheet

- Classic structure BP = 82, Spiro analogues BP = 175.
- Benzyl cleavage yields piperidine and benzyl fragments.
- N-propionitriles piperidine fragments are alkylated (unsubstituted = 269).
- M-methyl observed (M-15)
- $M^{+\bullet}$ (*sometimes* M-1) observed.

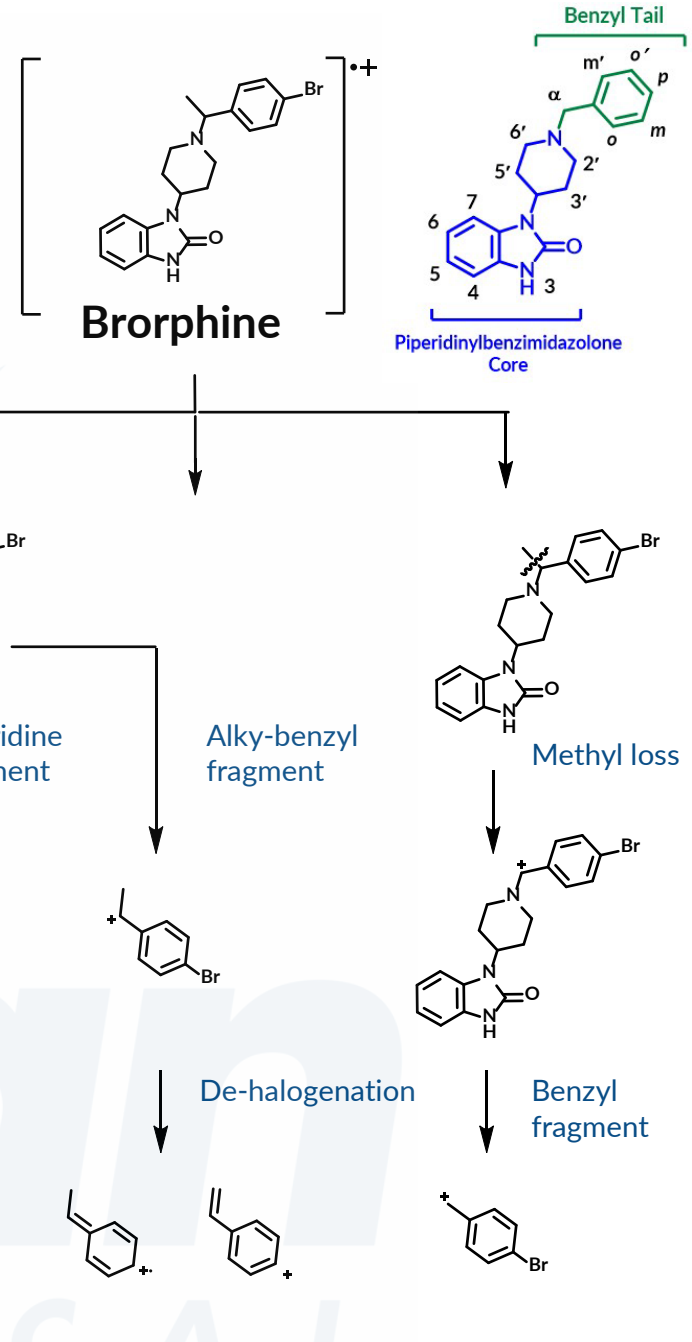
Common Orphine Fragments







Alkylated-piperidine fragment



Scan to view our webinar, *Rise of the Orphines: Understanding the evolution, naming, and structural elucidation of a rapidly emerging piperidinylbenzimidazolone scaffold*